

# **Supporting Documents for Quantitative Metrics 3.1.1**

3.1.1: Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR)

All the other supporting Documents are available on the Institute Website under the given URL link

<https://www.gate.ac.in/naac/criterion-3/3.1.1.pdf>



**Submitted to NAAC**

**By**

**Gandhi Academy of Technology and Engineering  
Golanthara, Berhampur**



# GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to BPUT, Odisha and Recognized by Dept. of SD & TE, Govt. of Odisha)

Contact: +91 9337753377 Ph.: 0680-2280828, Fax: 0680-2010006

P.O/P.S: Golanthara, Konisi, Berhampur- 761 008, Dist: Ganjam (ODISHA)

E mail: principal.gate.bam@gmail.com | Web: www.gate.ac.in

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3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years (INR)

All the other supporting Documents are available on the Institute Website under the given URL link

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## Declaration

I, Prof. (Dr) Gouri Shankar Mohapatro, Principal, Gandhi Academy Of Technology and Engineering, Berhampur declare that the institute had received **Rs. 7,62,000/-** (Rupees Seven Lakhs Sixty Two thousand only) in the FY 2022-23 under research projects grants. The details of the research projects are given below:

SL.No.	Name of the Project	Name of the Sponsoring Agency	Name of the Principal Investigator	Department of the Principal Investigator	Amount (in INR)
1	Research Project On Effective implementation of modern technology in reducing banking frauds.	Globe Converge Consultantslp Bhubaneswar	Dr. Bijay Bhujabal	Master of Business Administration	2,15,000.00
2	Research Project On A model for the future of e-commerce and the influence of manipulating commodity.	Grace Research foundation, Bhubaneswar	Dr. Sitanath Raiguru	Master of Business Administration	2,50,000.00
3	Research Project On Smart dustbin for waste management.	Pinnacle Human Resource Pvt. Ltd.	Dr. Sudhansu Sekhar Khuntia	Electronics and Communication Engineering	1,96,000.00
4	Research project on AI for social good: Empowering communication through technological innovation.	Module Soft Pvt. Ltd.	Mr. Sachin Kumar Patra	Master of Computer Application	1,90,000.00
<b>All total</b>					<b>8,51,000.00</b>



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



Ref.No: GCC/R&D/101/22

Date: 20/06/2022

## SANCTION ORDER

To,

The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Reference to Quotation No: RP/GATE/2022/26 DATED: 01/06/ 2022

Sub: Work order for Research Project on **“Effective Implementation of Modern Technology in Reducing Banking Frauds”**

Kind Attention: Dr. Bijay Bhujabal, Dept. of Master of Business Administration

**Respected sir,**

We gratefully acknowledge receipt of Dr. Bijay Bhujabal proposal letter for Research Project on **“Effective Implementation of Modern Technology in Reducing Banking Frauds.”** We are pleased to inform you that our organization has sanctioned **Rs. 2, 15,000/-** (Rupees Two Lakh and Fifteen Thousand only) for the afore-mentioned project proposal, the details of which are listed in the next page.

We need your help and look forward to receiving your permission on the afore-mentioned subject.

Contd.....



**Project Cost:**

Sl. No.	Particulars	Budget
1	Project assistant (@₹10,000pm)	1,20,000.00
	Conveyance	10,000.00
	Contingency funds on imprested system	5,000.00
2	Computers and networking system	55,000.00
	Software installation	25,000.00
	<b>Total project cost</b>	<b>2,15,000.00</b>

**Terms and Conditions:**

1. Tenure of the contract is from **01<sup>st</sup> July 2022 to 25<sup>th</sup> March 2023**
2. Letter of consent to take up the project is at the above budgeted cost only.
3. Submission of bond on non-judicial stamp paper.
4. An undertaking from the organization/institute/principal Investigator that it has not obtained financial assistance from any other department of the central/state Governments for this project or a similar project and the Institute is not blacklisted
5. Procurement of equipment as per **General Financial Rules 2017**.
6. The institute will maintain separate audited account for the project and the entire amount of grant will be kept in an interest-bearing bank account.
7. The permanent assets/equipment procured if any, in the project should be used by the intended beneficiaries even after completion of project tenure. Retention of equipment if any for further research may be requested and such retention are subject to approval of competent authority.
8. **60 %** of the allocated funds will be released immediately after acceptance of the sanction order and the rest of the amount will be released after the completion of the project.

Thanking You Kind Regards

  
Managing Director

**Globe Convergence Consultantsllp**  
Bhubaneswar, Odisha



  
Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur

**Ref. No.:** GRF/R&D/123/22

**Date:** 19/07/2022

**SANCTION ORDER**

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

**Ref:** RP/GATE/2022/28 DATED: 01/07/2022

**Sub:** Work order for Research project on “**A model for the future of ecommerce and the influence of manipulating commodity**”.

Kind Attention: Dr. Sitanath Raiguru, Dept. of Master of Business Administration

Dear Sir,

We are pleased to inform that; we have accepted the proposal letter for the project titled “**A model for the future of e-commerce and the influence of manipulating commodity**”. We are pleased to inform you that our organization has sanctioned **Rs. 2, 50,000 /-** (Rupees Two Lakh Fifty Thousand only) for the aforementioned project proposal, the details of which are listed below.

We need your help and look forward to receiving your permission on the aforementioned project.

**Contd.**

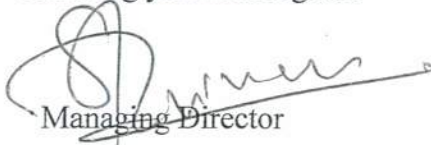
**Project Cost:**

Sl. No.	Particulars	Budget
1	(Project design & implementation exps (@ Rs.10,000 pm)	90,000.00
	Conveyance	4,000.00
	Contingency funds on imprested system	6,000.00
2	Computers and networking system	1,25,000.00
	Software installation	25,000.00
	<b>Total Project cost</b>	<b>2,50,000.00</b>

**Terms and Conditions:**

1. Tenure of the contract is from **25<sup>th</sup> July 2022 to 21<sup>st</sup> March 2023**
2. Letter of consent to take up the project at the above cost.
3. Submission of bond on non-judicial stamp paper.
4. An undertaking from the organization/institute/principal investigator that it has not obtained financial assistance from any other department of the central/state governments for this project or a similar project and the Institute is not blacklisted.
5. Procurement of equipment as per **General Financial Rules 2017**.
6. The permanent assets/equipment procured if any, in the project should be used by the intended beneficiaries even after completion of project tenure. Retention of equipment if any for further research may be requested and such retention are subject to approval of competent authority.
7. **75%** of the allocated funds will be released immediately after acceptance of the sanction order and the rest of the amount will be released after the completion of the project.
8. The release of the grant would be through electronic transfer of funds (NEFT). You are requested to provide the following details for facilitating e-payments.
  - Account holders /organization name (or) designation
  - Name of the bank
  - Bank account number
  - IFSC code
  - MICR code

Thanking you with regards

  
Managing Director

Grace Research Foundation





Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



Ref. No.: PHR/ R&D /48 22

Date: 25 /07/2022

## SANCTION ORDER

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Sub: Sanction order for Research project on “**Smart Dustbin for Waste Management**”.

Ref to quotation no: RP/GATE/2022/33, DATED: 08/07/2022

Kind attention: Dr.Sudhansu Sekhar Khuntia, Dept. of Electronics & Communication Engineering

Dear Sir,

We are very much thankful to Dr. Sudhansu Sekhar Khuntia for receipt of your above- referred proposal letter for the design and execution of “**Smart Dustbin for Waste Management**” for the purpose to increase the fuel lines life span.

We are pleased to inform you that are interested to have an association with GATE, Berhampur. Therefore, we need your kind cooperation for the execution of the above proposal letters & will be intimating the further proceeding. We are pleased to inform you that GATE, Berhampur has sanctioned **Rs.1, 96,000/-** (Rupees One Lakh Ninety Six Thousand Only) amount for the aforesaid project proposal & the details of the funds mentioned separately

Hoping your support and look forward to execute the above- cited matter.

Contd.....



**Project Cost:**

Rs 1,96,000/- amount are sanctioned to carry out the project and the fund will be released phase-wise as detailed below.

Sl. No.	Particulars	Amount
1	Software KIT (Arduino)	45000.00
2	Ultrasonic sensors & servomotor	50000.00
3	GSM Module	36000.00
4	Design and development	35000.00
5	RFID reader and load cell	30000.00
<b>Total</b>		<b>1,96,000.00</b>

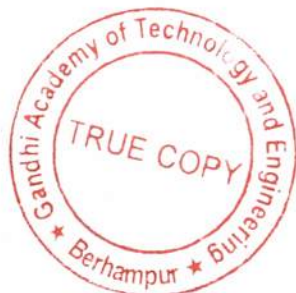
**Terms and conditions:**

- Period of the above contract is valid from **01/08/2022 to 01/03/2023**
- After testing the components and devices the test certificate should be issued by an authorized signatory.
- The test certificate shall be provided by an authorized signature once the components and devices have been tested.
- The first **60%** of the total sanctioned amount with this order. Remaining **40%** will be released after the completion of work supported with project completion certificate from the PI & countersigned by head of the institute.

Thanking you with regards

  
Managing Director

Pinnacle Human Resource





Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



Ref No.: MSPL/R&D/171/22

Date: 16/07/2022

**SANCTION ORDER**

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Reference to Quotation No: RP/GATE/2022/23, DATE: 28/06/2022

Sub:- Work order Research Project on **“AI for Social Good: Empowering Communication through Technological Innovation”**

Kind attention: Mr. Sachin Kumar Patra, Dept. of Master in Computer Application

Dear Sir,

We are very much thankful to Mr. Sachin Kumar Patra, for receipt of your above referred proposal letter for **“Research Project on AI for Social Good: Empowering Communication through Technological innovation”**. We are pleased to inform you that organization had sanctioned Rs: 1, 90,000/- amount for this said project proposal and detail of the funds are mention below page.

We need your support and look forward for your kind consent to the above cited matter. The details of the project work are mentioned below:

Contd...

**Project Cost:**

Sl. No.	Particulars	Budget
A	Salaries / wages faculty- 1@ 12,000/- month.	Rs.55,000
	Travel	Rs.11,000
	Contingency	Rs.27,000
B	Equipment fabrication	Rs.21,000
	Software needed for characterisation study.	Rs.31,000
	Raw material collection and processing	Rs.45,000
	<b>Total</b>	<b>Rs. 1,90, 000</b>

**Terms and condition:-**


- The valid agreement of above, from the dates **23/07/2022** to **23 / 03/2023**.
- The test certificates to be issued by competent authority, after checking the project progress.
- The client reserves the right to inspect and verify the successful completion of each activity before approving the payment release.
- After **4** months of work **50%** of the sanction amount will be released upon review of the work order.

Thanking you with Regards

  
Managing Director

Module soft Pvt. Ltd.



  
Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur





# GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING

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E mail: principal.gate.bam@gmail.com | Web: www.gate.ac.in

## Declaration

I, Prof. (Dr) Gouri Shankar Mohapatro, Principal, Gandhi Academy Of Technology and Engineering , Berhampur declare that the institute had received **Rs. 3,97,000/-** (Rupees Three Lakhs ninety Seven thousand only) in the FY 2021-22 under research projects grants. The details of the research projects are given below:

SL.No.	Name of the Project	Name of the Sponsoring Agency	Name of the Principal Investigator	Department of the Principal Investigator	Amount (in INR)
1	Research Project on Solar Street Light with auto intensity control	Nina Solar Pvt. Ltd	Mr. T. K. Satapathy	Electrical Engineering	2,37,000.00
2	Research project on Unsteady characteristic and flow mechanism of a Friction Stir Welding for Thermo Plastic Material	Empowertrans Pvt Ltd.	Mr. Debasish Panda	Mechanical Engineering	1,60,000.00
<b>All total</b>					<b>3,97,000.00</b>



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



# EMPOWERTRANS PVT.LTD.

KOKILA RESIDENCY, 1ST FLOOR, ANANTAVIHAR, POKHARIPUT, BHUBANESWAR

Ref. No. EPL/R&D/121/21

Date: 23/08/2021

## SANCTION ORDER

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Reference to Quotation No: RP/GATE/2021/03, DATE: 05/08/2021

Sub: Work order for Research Project on **“Unsteady characteristic and flow mechanism of a Friction Stir Welding for Thermo Plastic Material”**

Kind attention: Mr. Debasish Panda, Dept. of Mechanical Engineering

Dear Sir,

We are very much thankful to Mr. Debasish Panda for receipt of your above- referred proposal letter for the design and execution of **“Unsteady characteristic and flow mechanism of a Friction Stir Welding for Thermo Plastic Material”** to determining and improving the joint quality.

We are pleased to inform you that are interested to have an association with GATE, Berhampur. Therefore we need your kind cooperation for the execution of the above proposal letters & will be intimating the further proceeding. We are pleased to inform you that GATE, Berhampur has sanctioned **Rs.1, 60,000** /- amount for the aforesaid project proposal & the details of the funds mentioned separately

Hoping your support and look forward to execute the above- cited matter.

Contd.....

**Project Cost:**

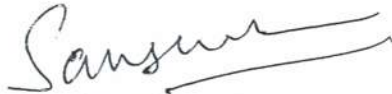
Rs 1, 60,000/- amount are sanctioned to carry out the project and the fund will be released phase-wise as detailed below effective form date.

Sl. No.	Items	Budget
01	Project associates	30,000/-
02	Stir welding machine	80,000/-
03	Tool cost	20,000/-
04	Others / Miscellaneous	18,000/-
05	Installation and service	12,000/-
	<b>Total</b>	<b>1,60,000/-</b>

**Terms and conditions:**

- Period of the above contract is valid till the end of the financial year **30/08/2021 to 30/03/2022.**
- After testing the components and devices the test certificate should be issued by an authorized signatory.
- The test certificate shall be provided by an authorized signature once the components and devices have been tested.
- The first **40%** of the total sanctioned amount with this order. Remaining **60%** will be released after the completion of work.
- Supported with project completion certificate from the PI & countersigned by head of the Institute.

Thanking you with regards



(Managing Director)

Empowertrans Pvt. Ltd.



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur





# Nina Solar

Plot No-A/143, Flat-401, Saheed Nagar, Bhubaneswar-751024

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Ref. No. : NS/R&D /133/ 21

Date: 21/06/2021

## SANCTION ORDER

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

**Sub: Work order for Research Project on "Solar Street Light with Auto Intensity Control"**

Kind Attention: Mr. Tushar Kanta Satapathy, Dept. of Electrical Engineering

Dear Sir,

With reference to the proposal RP/GATE/2021/13, DATED: 03/06/2021, we are pleased to approve the research project on "**Solar Street Light with Auto Intensity Control**". We believe that this project has significant potential for advancing the field of renewable energy. The project shall be completed within 7 months from the date of approval order. The analyses of the funds and terms & conditions are noticed in page No. 2.

The research work shall be carried out with the following objectives:

- Conduct a literature review on solar street light and their performance.
- Develop a model of a solar street light and analyze its performance under different weather conditions and time periods.
- Analyze the energy output and efficiency of the solar street light, as well as its economic feasibility.
- The research work order shall be conducted in accordance with ethical and professional standards.

Contd.....

**Estimation:**

Sl. No.	Particulars	Budget
1	Project assistances	Rs.35,000.00
2	Travel cost	Rs.10000.00
3	Contingency	Rs.19000.00
4	Components	Rs.1,73,000.00
<b>Total sanctioned amount</b>		<b>Rs.2,37,000.00</b>

**Terms and Conditions:**

- This Research project order is for a period of 07 month only.
- It shall be submitted utilization report before end of current financial year 28 /06/2021 to 28/02/2022.
- 40% of the Sanctioned amount will be disbursed at the start of contract and the 20% amount will be paid within 45 days of the commencement of the Research work order.
- Rest 40% amount will released after Production of the completion certificate.

Thanking you with regards,



Manager (Project)

Nina Solar



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



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## Declaration

I, Prof. (Dr) Gouri Shankar Mohapatro, Principal, Gandhi Academy of Technology and Engineering, Berhampur declare that the institute had received **Rs. 3,86,470/-** (Rupees Three Lakh Eighty Six Thousand Four Hundred seventy only) in the FY 2020-21 under research projects grants. The details of the research projects are given below:

SL.No.	Name of the Project	Name of the Sponsoring agency	Name of the Principal Investigator	Department of the Principal Investigator	Amount (in INR )
1	Research project on Functions and applications of geo synthetics in road ways.	Shilpa Infra Projects Pvt. Ltd.	Mrs. Ankita Jena	Civil Engineering	1,91,470.00
2	Research project on A novel approach for diabetic retinopathy screening using asymmetric deep learning features	Searching Yard	Mr. Bhabani Shankar Panda	Master of Computer Application	1,95,000.00
<b>All total</b>					<b>3,86,470.00</b>



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur





**SHILPA INFRA PROJECTS PRIVATE LIMITED**  
**PLOT NO. A/10, SURYA NAGAR, UNIT VII BHUBANESWAR-751003**

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Ref. No.: SIPPL/R&D/136/2020

Date: 20/07/2020

**SANCTION ORDER**

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

**Sub:** Work order for Research Project on “**Functions and applications of geo synthetics in roadways**”

Kind Attention: Mrs. Ankita Jena, Dept. of Civil Engineering

Respected Madam,

Based upon your research project work proposal RP/GATE/2020/06: 02/07/2020 received, we are pleased to sanction the said amount of **Rs. 1, 91,470/-** towards the funding of the research project on “**Functions and applications of geo synthetics in roadways**”.

The project is to be completed within the stipulated time limit with an active involvement of the particular experts as per your proposal & timely reports has to be submitted at the head office during the project work.

Hope the project will add much practical knowledge and motivational to the students to do research in the field of transportation engineering and management please feel comfortable to contact to me at any point of time.

Contd...

**Project Cost:**

Sl. No.	Particulars	Budget
1	Workroom costs	40,500.00
2	Travel and automation	27,235.00
3	Concrete & geo synthetic material	95,735.00
4	Work compensation	28,000.00
<b>Total</b>		<b>1,91,470.00</b>

**Terms and Conditions:**

1. Curing of cement concrete works have to be maintained in according to the IRC-15, IRC-58 etc. and till that, no traffic shall be allowed during curing, traffic diversion will have to be arranged by the contractor himself on his own cost.
2. The first **50%** of the sanctioned amount will be paid at the beginning of the contract, and the remaining **50%** will be paid within **10** days after the research's completion.
3. Collection of material if any shall be uniform throughout the length of road.
4. Above contract is valid up to **28<sup>th</sup> February 2021**.

Thanking you with regards



(Managing Director)

Shilpa Infra Projects Pvt. Ltd.



PRINCIPAL  
Gandhi Academy of  
Technology & Engineering  
Berhampur



# SEARCHINGYARD

Satya Sai Enclave, House No.-MIG-III, 423, AMRI Hosp. Road  
Khandagiri, Bhubaneswar

Ref. No.: SY/R&D/57/20

Date: 30/05/2020

## SANCTION ORDER

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Ref. Quotation No: RP/GATE/2020/24 date 12/05/2020

Sub:- Work order **“Research project on “A novel Approach for diabetic retinopathy screening using asymmetric deep learning features ”**

Kind attention: Mr. Bhabani Sankar Panda, Dept of Computer Science and Engineering

Dear Sir,

We are very much thankful to Mr. Bhabani Sankar Panda for receipt of your above referred proposal letter for “ Research Project on A novel Approach for diabetic retinopathy screening using asymmetric deep learning features”. We are pleased to inform you that organization had sanctioned Rs.1, 95,000/- amount for this said project proposal and detail of the outlay are mention below.

We need your support and look forward to your kind consent to the above cited matter.

Contd...




**Project Cost:**

Sl. No.	Particulars	Budget
A	Salaries /Wages faculty- 1@ 12,000/- month.	Rs.85,000
	Travel	Rs.11,000
	Contingency	Rs.29,000
B	Equipment fabrication	Rs.25,000
	Software needed for characterisation study of materials.	Rs.28,000
	Raw material collection and processing	Rs.17,000
	Total	Rs.1,95,000

**Terms and Condition:**


- Above settlement is well found from the dates **10/06/2020 to 21/01/2021**.
- After verification the equipment, certificates to be issued by appropriate jurisdiction.
- If it is admissible to you then return a copy of this order as a token for acceptance within month of receipt.

Thanking you With Regards,

  
Managing Director

Searching Yard



  
PRINCIPAL  
Gandhi Academy of  
Technology & Engineering  
Berhampur



# GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING

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P.O/P.S: Golanthara, Konisi, Berhampur- 761 008, Dist: Ganjam (ODISHA)

E mail: principal.gate.bam@gmail.com | Web: www.gate.ac.in

## Declaration

I, Prof. (Dr) Gouri Shankar Mohapatro, Principal, Gandhi Academy Of Technology and Engineering, Berhampur declare that the institute had received **Rs. 3,49,000/-** (Rupees Three Lakhs Forty Nine Thousand only) in the FY 2019 -20 under research projects grants. The details of the research projects are given below:

SL.No.	Name of the Project	Name of the Sponsoring agency	Name of the Principal Investigator	Department of the Principal Investigator	Amount (in INR )
1	Research Project on Thermo dynamic evaluation of solar organic Rankin cycle for combined cooling and power generation in residential applications	Esskay Machinery Pvt. Ltd.	Dr. Atul	Mechanical Engineering	1,67,000.00
2	Research Project on IOT based moisture detection system	Wintech Projects	Dr. Lokanath Sarangi	Electronics and Communication Engineering	1,82,000.00
All total					3,49,000.00



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



Ref. No.: EMPL/R&D/117/19

Date: 27/06/2019

## SANCTION ORDER

To,  
The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

**Sub :** Work order for Research Project on “**Research project on Thermo Dynamic Evaluation of Solar Organic Rankine Cycle for Combined Cooling & Power Generation in Residential Applications**”.

Kind Attention: Dr. Atul, Dept. of Mechanical Engineering

Dear Sir,

Based upon your research project work proposal RP/GATE/2019/05: 13/06/2019 received, we are pleased to sanction the said amount of **Rs.1,67,000/-** towards the funding of the project on “**Research project on Thermo Dynamic Evaluation of Solar Organic Rankin Cycle for Combined Cooling & Power Generation in Residential Applications**”.

The Project is to be completed within the stipulated time limit with an active involvement of the particular experts as per your proposal & timely reports has to be submitted at the head office during the project work.

Hope the project will add much practical knowledge and motivational to the students to do research in the field of transportation engineering and management please feel comfortable to contact to me at any point of time.

Contd.....



**Project Cost:**

Sl. No.	Particulars	Budget
1	Project supporter	40,000.00
2	Solar panel	45,000.00
3	Condenser	47000.00
4	Additional pursuits	20,000.00
5	Service charges	15,000.00
<b>Total</b>		<b>1,67,000.00</b>

**Terms and Conditions:**

1. Period of the above contract is valid till the end of the financial year **01.07.2019 to 02.02.2020**.
2. After testing the components & devices the test certificate should be issued by an authorized signatory.
3. The test certificate shall be provided by an authorized signature once the components & devices have been tested.
4. The first **40%** of the total sanctioned amount with this order remaining **60%** will be released after the completion of work
5. Supported with project completion certificate from the PI & counter signed by Head of the Institute.

Thanking you with regards,



(Managing Director)

Esskay Machinery Pvt. Ltd.



  
PRINCIPAL  
Gandhi Academy of  
Technology & Engineering  
Berhampur



WINTECH PROJECT

# WINTECHPROJECT

Patia, Bhubaneswar-751031

Ref. No.: WP / R&D /179 /19

Dates: 04 / 07 /2019

## SANCTION ORDER

To,

The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Sub:-Work Order for Research Project on **“IOT Based Moisture Detection System”**

Kind attention: Dr. Lokanath Sarangi, Dept of Electronics & Communication Engineering.

Respected Sir,

With reference to the proposal RP/GATE/2019/031, DATED: 15/06/2019, we are very much thankful to Dr. Lokanath Sarangi for receipt of your above referred proposal letter for Research Project on **“IOT based moisture detection system”**. We are pleased to inform you that organization had sanctioned Rs. 1, 82,000/- (Rupees One Lakh Eighty Two Thousands only) amount for this said project proposal and detail of the funds are mention below page.

We need your support and look forward to your kind consent to the above cited matter.

Contd....

**Estimation:**

Sl. No.	Particulars	Budget
1	Software kit (ESP-32)	50000.00
2	Soil moisturizer sensors	45000.00
3	GSM module & display unit	45000.00
4	Project assistant	25000.00
5	Conveyance	7000.00
6	Contingency	10000.00
<b>Total sanctioned amount</b>		<b>Rs.1,82,000.00</b>

**Terms and condition:-**

- The valid agreement of above, from **15/07/2019 to 12/02/2020**.
- The sample of device to be tested within **4 hrs.** Of receipt on working hours.
- The test certificates to be issued by competent authority, after checking the materials
- After receiving the consent letter **50%** Of the sanction amount will be released upon review of the work order and rest **50%** will be released after project completion certificates from PI.

Thanking you with Regards

  
Chairman  
Wintech Project



  
PRINCIPAL  
Gandhi Academy of  
Technology & Engineering  
Berhampur



# GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to BPUT, Odisha and Recognized by Dept. of SD & TE, Govt. of Odisha)

Contact: +91 9337753377 Ph.: 0680-2280828, Fax: 0680-2010006

P.O/P.S: Golanthara, Konisi, Berhampur- 761 008, Dist: Ganjam (ODISHA)

E mail: principal.gate.bam@gmail.com | Web: www.gate.ac.in

## Declaration

I, Prof. (Dr) Gouri Shankar Mohapatro, Principal, Gandhi Academy of Technology and Engineering, Berhampur declare that the institute had received **Rs. 3,78,000/-** (Rupees Three lakhs Seventy Eight Thousand only) in the FY 2018 -19 under research projects grants. The details of the research projects are given below:

SL.No.	Name of the Project	Name of the Sponsoring Agency	Name of the Principal Investigator	Department of the Principal Investigator	Amount (in INR )
1	Research project on Selection of optimal pavement considering reliability, performance and costs	Aryan Infra Projects Limited	Dr. Jyotikusum Acharya	Civil Engineering	1,96,000.00
2	Research Project on Pumping water for irrigation using solar energy project	Grinity Solar Pvt. Ltd	Mr. Ajay Kumar Nahak	Electrical Engineering	1,82,000.00
<b>All total</b>					<b>3,78,000.00</b>



Principal  
Gandhi Academy of  
Technology and Engineering, Berhampur



# ARYAN INFRA PROJECTS LIMITED

Plot no. 540, Saheed Nagar  
Near Sahid Sporting Club  
Bhubaneswar- 751007

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Ref. No.: AIPL / R&D /164/18

Date: 21/06/2018

## SANCTION ORDER

To,

The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

Ref. to Quotation No: - RP/GATE/2018/10, DATED: 03/06/2018

**Sub: Work order for Research Project on “Selection Of Optimal Pavement Considering Reliability, Performance And Costs”**

Kind Attention: Dr. Jyotikusum Acharya, Dept. of Civil Engineering

Respected Madam,

We would like to express our attention in collaborating with your prestigious institution for our successful implementation of project on **“Selection of Optimal Pavement Considering Reliability, Performance and Costs”**.

We are interested in providing opportunities of research work to resolve pavement construction at economical level efficiency will be good & reduce the cost. We would like to offer the research work on Selection of Optimal Pavement Considering Reliability, Performance and Costs to your department.

Hoping your support and look forward to execute the above- cited matter.

Contd.....

**Project Cost:**

Sl. No.	Particulars	Budget
1	Office deposits	Rs.47,000.00
2	Concrete & bituminous material	Rs.1,10,400.00
3	Travel and machinery	Rs.13,600.00
4	Work charge	Rs.25,000.00
<b>Total sanctioned amount</b>		<b>Rs.1,96,000.00</b>

**Terms and Conditions:**

1. The project should be communicated to our staff once it has been completed successfully within the time frame specified.
2. You may use our development and testing facilities for project development if necessary, with prior approval from our project in-charge.
3. If a project extension is required, it may be approved for up to two months based on the progress of the work by our project manager.
4. The research should be completed by **01<sup>st</sup> March, 2019**.
5. Payments terms are as follows: Within **30** days of the start of the research job order, the remaining **40%** of the sanctioned amount will be paid, making up the initial **60%** of the contract.
6. When multiple items are ordered, one of them might not be immediately ready to ship. The unavailable item will be sent at a later stage, but we will not charge you additional shipping costs.

Thanking you with regards

  
(Managing Director)

Aryan Infra Projects Limited



  
PRINCIPAL  
Gandhi Academy of  
Technology & Engineering  
Berhampur

Ref. No.: GSPL/R&D/164/18

Date: 18/05/2018

## SANCTION ORDER

To,

The Principal,  
Gandhi Academy of Technology and Engineering,  
Golanthara,  
Berhampur, Ganjam,  
Odisha-761008

**Sub: Work order for Research Project on "Pumping water for irrigation using solar energy project"**

Kind Attention: Prof. Ajaya Kumar Nahak, Dept. of Electrical Engineering

Respected Sir,

With reference to the proposal RP/GATE/2018/11, DATED: 29/04/2018, we are pleased to grant the research project on "**Pumping water for irrigation using solar energy project**" with an amount Rs.1, 82,000 (Rupees One Lakh Eighty Two Thousands only). We believe that this project has significant potential for advancing the field of renewable energy. The project shall be completed within 7 month from the date of sanction order.

We need your support and look forward to your kind consent to the above-cited matter. The project shall be completed within 7 month from the date of sanction order.

The research work shall be carried out with the following objectives:

- i. Conduct a literature review on photovoltaic array, which converts the solar energy into electricity, which is used for running the motor pump set.
- ii. Develop a model of a Solar pumping system, which draws water from Canal and analyze its performance under different weather conditions and time periods.
- iii. Analyze the energy output and efficiency as well as its economic feasibility.

Contd...

**Estimation:**

Sl. No.	Particulars	Budget
1	Project assistance	30,000
2	Travel cost	7,000
3	Contingency	10,000
4	Components	1,35,000
<b>Total sanctioned amount</b>		<b>Rs.1,82,000</b>

**Terms and Conditions:**

1. The client reserves the right to inspect and verify the successful completion of each milestone before approving the payment release.
2. After two months of work, **50%** of the sanction amount will be released upon review of the work.
3. Any changes or modifications to the project scope must be documented and approved by both parties in writing before implementation.
4. Rest sanction amount will be released after production of completion certificate duly signed by competent authority.

Thanking you with regards,

  
Manager (Project)

Grinity Solar Pvt. Ltd.



  
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Gandhi Academy of  
Technology & Engineering  
Berhampur