

SUPPORTING DOCUMENT FOR QUANTITATIVE METRIC 3.1.1.

All the supporting documents are available on the college website under the given URL link

<https://www.coeb.ac.in/naac/ssr/criteria3.1.1.pdf>

SUBMITTED TO NAAC
BY

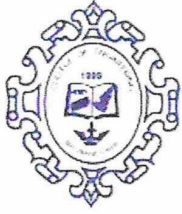


College Of Engineering Bhubaneswar (COEB)



Plot No. 1(A), CNI Complex, Patia, Bhubaneswar - 751024, Odisha, India

Email: info@coeb.ac.in/ principal@coeb.ac.in | Phone: 0674-2740133/ 2740386 | Fax: 0674-2740828



COLLEGE OF ENGINEERING BHUBANESWAR

Under the aegis of the Nabadigant Educational Trust

Ref No. CEB/ACA/381(4)/24

Date: 16/04/2021

DECLARATION

I, Prof. (Dr.) Pradeep Kumar Bhunya, Principal, College of Engineering Bhubaneswar hereby declare that the Institute has received **Rs. 1042440/- (Ten Lakh Forty Two Thousand Four Hundred Forty only)** in the FY 2018-19 under research project grants. The details are given below.

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency
Strength and microstructural properties of binary and ternary blends in fly ash-based geopolymers concrete	Dr. Srinivasan Kumar	Civil Engineering	204000	7 Months	Nirmana Promoters & Builders Pvt. Ltd.
Research Project on BLDC Motor drive for EV system	Dr. N. Veda Kumar	Electrical Engineering	322000	6 Months	Project Point
Deep Learning based Smart Assistant software tool for Blind People	Dr. G. S. S. Rao	Computer Science and Engineering	267890	8 Months	Edu Skills
Studying and Developing Blockchain-Based Smart Contracts That Preserve Security and Privacy and Their Uses	Dr. Sunita Satapathy	Master of Computer Application	248550	7 Months	Koustuv Systems Pvt. Ltd

Principal

Principal
College of Engineering, Bhubaneswar

NIRMANA PROMOTERS & BUILDERS PVT .LTD.

KOUSTUV TOWER, VIKAS NAGAR
BADAMBADI CUTTACK-12

Ref No. *NPBPL/RSD/2018/12*

Date: 09/04/2018

ACCEPTANCE LETTER

To

The Principal,

College of Engineering Bhubaneswar,

Plot No.1 (A), CNI Complex

Patia, Bhubaneswar – 751024

Odisha, India

Phone: 0674 - 2740133 / 2740386 / 2740828

E-mail id: info@coeb.ac.in/principal@coeb.ac.in

Sub: Work Order on: “Strength and microstructural properties of binary and ternary blends in fly ash-based geopolymer concrete”.

Kind Attention: Dr. Srinivasan Kumar, Department of Civil Engineering, COEB, Bhubaneswar.

Reference: COEB/CIVIL/2018/61 dated, 1st April 2018.

Dear Sir,

We are pleased to inform you that Nirmana Promoters & Builders Pvt. Ltd accepted the research project proposal for the grant of Rs. 2, 04,000/- (Two Lakh and four Thousand only) towards the project titled “Strength and microstructural properties of binary and ternary blends in fly ash-based geopolymer concrete”, for a duration of 7 months. We would extend our continuous support throughout the implementation of the project.

Thanking You

Regards



Managing Director

Nirmana Promoters & Builders Pvt. Ltd.

Director
NIRMANA PROMOTERS & BUILDERS PVT LTD.



PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No	Proposed Equipment	Specification	No of units	Approx. cost in Rupees
1	Apparatus for autoclave curing.	As per IS standard	1	50,000/-
Total Non-recurring Cost (A)				50,000/-
Sl. No	Different Heads	No./Unit	Approx. cost in Rupees	
1	Salary for research assistant for 7 month	1	84,000/-	
2	Materials	Fly ash powder, fine aggregate, Coarse aggregate, superplasticizer and alkaline activator (Sodium Silicate + Sodium Hydroxide)	60,000/-	
3.	Contingency	-	10,000/-	
Total Recurring Cost (B)				1,54,000/-
Total cost of Project (A+B)				2,04,000/-

Payment Mode:


50% of the total project cost will be sanctioned on the acceptance of this work order, the rest 50% will be sanctioned in two equal installments.

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 7 months from the date of issue of this letter.
2. The project may be extended to maximum duration of one months.
3. The company has the rights to cancel the installments, based upon the report by our technical team.

Thanking You

Regards


Managing Director

Nirmana Promoters & Builders Pvt. Ltd.

Director
NIRMANA PROMOTERS & BUILDERS PVT LTD.



PRINCIPAL
College of Engineering Bhubaneswar



PROJECT POINT

Mob: 8895180489/7381801801

RefNo. *PP/R&D/2018/03*

Date: 05/06/2018

To
The Principal,
Collège of Engineering Bhubaneswar (COEB)
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar-751024,
Odisha, India
Phone: 0674 - 2740133 / 2740386 / 2740828
E-mail id: principal@coeb.ac.in

Kind Attention: Dr. N. Veda Kumar

Sub: Work Order for: “Research Project on BLDC Motor drive for EV system”.

Reference: - COEB/EE/2018/21

Dated:-30/05/2018

Dear Sir,

We are very much thankful to Dr. N. Veda Kumar on receipt of your above project proposal letter for “Research Project on BLDC Motor drive for EV system”. We are pleased to inform you that our committee has now accepted your proposal and the organization is agreed to sanction an amount of **Rs. 3,22,000 /-(Rupees Three Lakh Twenty Two Thousand Only)** to carry out the above-mentioned research work at your organization followed by PROJECT POINTS, Bhubaneswar.

We are looking forward for your kind consent of the above cited matter.

Thanking you
With regards

Director
PROJECT POINT, Bhubaneswar

**Director
Project Point**

PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.
Non-Recurring(A)				
1	BLDC Motor (1.5 kW)	1	21000	21000/-
	STM 32 Microcontroller	2	31000	62000/-
	IGBT Inverter	2	32000	64000/-
2	Other non-electrical Accessories	-	-	20000/-
3	Equipment Fabrication and other electrical accessories	-	-	15000/-
Total Non-Recurring				182000/-
Recurring(B)				
1	Staff Salaries	02	12000	24,000/- *5=1,20,000/-
2	Contingency	-	-	20,000/-
Total Recurring				140000/-
Total Cost of the project (A+B)				322000/-

Payment Terms

Acceptance of Work order	60%
Acceptance of final report	40%

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 5 months.
2. Test certificate to be issued by the investigator after successful completion of the project.
3. The project may be extended to maximum duration of one month.


The company has the rights to cancel the second installment if the work carried found unsatisfactory by our technical team.

Thanking you
With regards


Director

PROJECT POINT, Bhubaneswar

Director
Project Point


PRINCIPAL
College of Engineering Bhubaneswar



EduSkills[®]

Nation Building Through Skills

support@eduskillsfoundation.org
Mob: 8093254914

Ref No. ES/RC/2018/07

Date: 09/07/2018

WORK ORDER

To

The Principal,
College of Engineering Bhubaneswar,
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024,
Odisha, India.
Phone: 0674 - 2740133 / 2740386
E-mail id: principal@coebs.ac.in

Kind Attention: Dr. G. S. S. Rao

Sub: Work Order on: “**Deep Learning based Smart Assistant software tool for Blind People**”

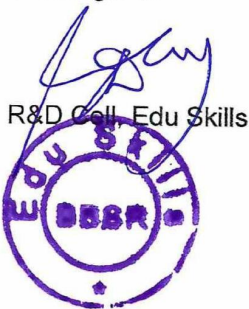
Dear Sir,

With reference to your letter **COEB/CSE/2018/86**, dated **02/07/2018**, We are very much thankful to you on receipt of your above referred proposal letter towards the project titled “Deep Learning based Smart Assistant software tool for Blind People”. We are pleased to inform you that an amount of Rs. 2, 67,890.00/- (Rupees Two Lakh Sixty Seven Thousand Eight Hundred Ninety Only) is sanctioned for the said proposal.

We look forward for the completion of the work in the prescribed time duration and also ready to extend our support whenever required.

Thanking you

With regards




PRINCIPAL
College of Engineering Bhubaneswar

#806, DLF Cyber City, Info Park, Technology Corridor
Bhubaneswar-751024, Odisha

Project Details:

Sl. No.	Head	Unit	Rate Per unit (in Rs.)	Total (in Rs.)
A	Non Recurring			
1	Equipment ----- > Desktop	1	66490.00	66490.00
2	Software ----- > AI & ML	1	4300.00 (PM)	34400.00
A'	Total (Non-Recurring)			100890.00
B	Recurring Items			
1	Recurring – I: (Principal Investigator) Recurring-II: (Data Collection) Recurring-III: (Consumables, Travel, Contingencies)	1	12000.00 (PM)	96000.00 21000.00 20000.00
2	Recurring –IV: (Overhead Charges)			30000.00
B'	Total (Recurring)			167000.00
C	Total Cost of the Project (A' + B')			267890.00

Payment:

60% of the total amount sanctioned will be paid on the acceptance of this work order rest 40% will be sanctioned on the completion of the project.


Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 8 months from the date of issue of work order.
2. You are expected to complete the project in time, a maximum delay of 2 month will be allowed for the completion of the project.

Thanks & Regards


R&D Cell, Edu Skills




PRINCIPAL
College of Engineering Bhubaneswar

KOUSTUV SYSTEMS PVT. LTD (KSPL)

4th floor, Shramika Bhawan, Link Road, Cuttack - 753012

Ref No. KSPL/RW/2018/02

Date: 19/08/2018

To

The Principal,

College of Engineering Bhubaneswar,

Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024,

Odisha, India.

Phone: 0674 - 2740133 / 2740386

E-mail id: principal@coeb.ac.in

Sub: Project Acceptance and Sanction Order-Reg.

Ref: COEB/MCA/2018/34, dated: 02/08/2018

Dear Dr. Sunita Satapathy,

We are greatly privileged to offer the grant of Rs.2,48,550.00/- (Rupees Two Lakh Forty Eight Thousand and Five Hundred Fifty only) to the project “Studying and Developing Blockchain-Based Smart Contracts That Preserve Security and Privacy and Their Uses”. Koustuv Systems Pvt. Ltd. is willing to help you wherever required.

We would extend our continuous support throughout the implementation of the project.

Thanking You



Director, KSPL

Koustuv Systems Pvt. Ltd.

Director



PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No.	Head	Unit	Rate Per unit (in Rs.)	Total (in Rs.)
A	Non Recurring			
1	Equipment ----- > Desktop	1	70550.00	70550.00
2	Software ----- > Mat Lab (L-Version)	1	5000.00 (PM)	35000.00
A'	Total (Non-Recurring)			105550.00
B	Recurring Items			
1	Recurring – I: (Principal Investigator) Recurring-II: (Data Collection) Recurring-III: (Consumables, Travel, Contingencies)	1	12000.00 (PM)	84000.00 17000.00 16000.00
2	Recurring –IV: (Overhead Charges)			26000.00
B'	Total (Recurring)			143000.00
C	Total Cost of the Project (A' + B')			248550.00


Payment:

Acceptance of Work order	50%
Acceptance of final report	50%

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 7 months from the date of issue of work order.
2. You are expected to complete the project in time, a maximum delay of 1 month will be allowed for the competition of the project.

Thanks & Regards


Director, KSPL
Koustuv Systems Pvt. Ltd.
Director


PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR

Under the aegis of the Nabadigant Educational Trust

Ref No. CEB/ACA/381(S)/28

Date: 16/04/2024

DECLARATION

I, Prof. (Dr.) Pradeep Kumar Bhunya, Principal, College of Engineering Bhubaneswar hereby declare that the Institute has received **Rs. 10,47400/- (Ten Lakh Forty Seven Thousand Four Hundred Only)** in the FY 2019-20 under research project grants. The details are given below.

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency
Research Project on design and development of Raspberry Pi based wheelchair for safety	Dr. G. RamPrabu	Electronics and Telecommunication Engineering	220,000	7 Months	Nina Solar
Study of mechanical and thermal properties of calotropis gigantea reinforced polypropylene and red mud hybrid composites for construction application	Dr. Subhakanta Nayak	Mechanical Engineering	281000	8 Months	Aryan Infra Projects Limited.
Role of lignosulphonate towards strength improvement of expansive clay	Dr. E Krishan Ready	Civil Engineering	245000	7 Months	Konark Cement and Asbestos Pvt. Ltd.
Digital Health Advisory System for Chronic Respiratory Diseases	Dr. Sambasiva Rao Pedapudi	Computer Science and Engineering	301400	8 Months	Nabakishore Health Care Pvt. Ltd.


Principal

Principal
College of Engineering, Bhubaneswar



Phone : +91-7381017818
Email : info@ninasolar.co.in
www.ninasolar.co.in

RefNo. NS/R&D/2019/07

Date: 19/04/2019

WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. G. RamPrabu, Department of Electronics and Telecommunication Engineering, College of Engineering Bhubaneswar.

Sub: Work Order on “Research Project on design and development of Raspberry Pi based wheelchair for safety”.

Dear Sir,

We are pleased to inform you that as per the proposal reference Letter No- COEB/ETC/2019/71, Dt. 02/04/2019 on “Research Project on design and development of Raspberry Pi based wheelchair for safety”, has been approved by our technical team. The financial authority, NINA SOLAR, Bhubaneswar has sanctioned an amount of **Rs. 220,000/- (Rupees Two Lakh Twenty Thousand Only)** as a full and final amount.

You can now carry out the research work at your organization as the funding details are mentioned below for your kind consideration.

Thanking You
With Regards

MD, NINA SOLAR

**Director
NINA SOLAR**

PRINCIPAL
College of Engineering Bhubaneswar

1. Project Cost

SI No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.
Non-Recurring(A)				
	DC motor 24 V	1	5,400	5,400
	Battery	1	3,200	3,200
	LCD display (7 in)	1	2,000	2,000
	Camera	1	2,000	2,000
	IMU sensor	1	400	400
	Pressure sensor	1	1,500	1,500
	Safety straps	1	3,500	3,500
	Other electronic/electrical components	1	5,000	5,000
	Raspberry Pi	1	4,000	4,000
	Wheelchair	1	5,000	5,000
Total Non-Recurring				32,000
Recurring(B)				
1	Staff Salaries	2	12,000	24,000*7=168000
2	Contingency	-	-	20,000/-
Total Recurring				188,000
Total Cost of the project (A+B)				220,000/-

2. Payment Terms

Acceptance of Work order	60%
Demonstration of characteristics	40%
Acceptance of final report by NINA SOLAR	

3. Duration of the Project 7 Months from the date of issue of the work order.

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 7 months.
2. Test certificate to be issued by the investigator after successful completion of the project.
3. The project may be extended to maximum duration of two months.
4. The company has the rights to cancel the second installment if the work carried found unsatisfactory by our technical team.

Thanking you

MD, NINA SOLAR

**Director
NINA SOLAR**

PRINCIPAL
College of Engineering Bhubaneswar



ARYAN INFRA PROJECTS LIMITED

Email ID: info@aryaninfraprojects.com | www.aryaninfraprojects.com

RefNo. AIPL/R&D/2019/08

Date: 18/06/2019

ACCEPTANCE LETTER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Subhakanta Nayak, Department of Mechanical Engineering, COEB Bhubaneswar.

Sub: Work Order on: "Study of mechanical and thermal properties of calotropis gigantea reinforced polypropylene and red mud hybrid composites for construction application".

Reference: - COEB/MECH/2019/42, dated 2nd June 2019.

Dear Sir,

On behalf of Aryan Infra Projects Limited., we are happy to accept and recognize the project proposal titled "Study of mechanical and thermal properties of calotropis gigantea reinforced polypropylene and red mud hybrid composites for construction application". We are highly privileged to offer a grant of Rs. 281000 (Rupees two lakhs eighty-one thousand only) towards the project work of duration 8 months.

Our organization is very delighted to support your unique ideas and expects you to finish the project within the stated deadline.

Thanking You

Regards

Director
Aryan Infra Project Limited.

Director
Aryan Infra Project Limited

PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No	Requirements	Total cost (in Rupees)
1	Raw Materials collection and processing	40,000
2	Fabrication of composites	50,000
3	Cost of experiments	75,000
4	Miscellaneous	20,000
5	Salary@Rs.12000	96,000
	Total	2,81,000

Mode of Payment:

The payment will be made in two instalments:

Instalment-1: 40% of the total amount sanctioned, on the acceptance of work order.

Instalment-2: 60% of the total amount sanctioned, on the receiving of the detail project report.

Terms and Conditions:

1. Our project in-charge can approve a two-month extension of the project time based on work progress.
2. You may use our development and testing facilities for project development with prior approval from the project in-charge.
3. Project should be presented to our project team after its successful completion within the prescribed period.

Thanking You

Regards

Director

Aryan Infra Projects Limited.

Director
Aryan Infra Project Limited



PRINCIPAL
College of Engineering Bhubaneswar



KONARK CEMENT & ASBESTOS PRIVATE LIMITED

Ref No. KCAPL/RED/2019/08

Date: 19/06/2019

WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. E Krishan Ready, Department of Civil Engineering, COEB,
Bhubaneswar.

Sub: Work Order on: "Role of lignosulphonate towards strength improvement of expansive clay".

Reference:- COEB/CIVIL/2019/52 dated: 03/06/2019.

Dear Sir,

Concerning the above proposal, we are pleased to inform you that the research project "**Role of lignosulphonate towards strength improvement of expansive clay**" has been approved by our organization for possible funding of Rs. 245000/- (Two Lakh Forty Five Thousand Only). The details of funds allocated under different heads are mentioned below.

Thanking You
Regards




Managing Director

Konark Cement and Asbestos Pvt. Ltd..

KONARK CEMENT & ASBESTOS LTD.

Director



PRINCIPAL
College of Engineering Bhubaneswar

Revenue plot no-69(p) IDCO, Plot no-1, Khata no-612
Mouza Chandrasekharpur

Budget Estimate-


Sl. No	Proposed Equipment	Specification	No of units	Rate/unit	Approx. cost in Rupees
1	Fabrication of mould	28 X 30 X 25 cm.	10		15,000/-
2.	Testing of mould	-	40	300	12,000/-
Total Non-recurring Cost (A)					27,000/-
Sl. No	Different Heads		NO./Unit	Approx. cost in Rupees	
1	Salary for research assistant for 7 month		2	168000/-	
2	Materials		lignosulphonate, bentonite, and other equipment	50,000/-	
Total Recurring Cost (B)					218000/-
Total cost of Project (A+B)					245000/-

Terms and Conditions:

1. The project order is valid till the end of the current financial year.
2. Submission of utilization report is to be made within 15 days of completion of the project.
3. 60% of the Sanctioned amount will be disbursed at the start of the contract and the rest amount will be paid by submission of the utilization report

We would extend our continuous support throughout the implementation of the project.


Thanking You
Regards


Managing Director

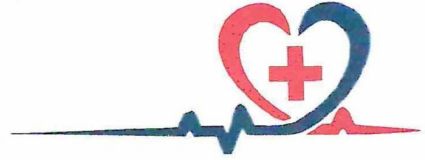
Konark Cement and Asbestos Pvt. Ltd.

KONARK CEMENT & ASBESTOS LTD.

Director


PRINCIPAL
College of Engineering Bhubaneswar

Nabakishore Health Care Pvt. Ltd.



Ref No. NHPL/R&D/2019/03

Date: 15/07/2019

ACCEPTANCE LETTER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Sambasiva Rao Pedapudi, Department of Computer Science and Engineering, COEB, Bhubaneswar.

Sub: Work Order on, "Digital Health Advisory System for Chronic Respiratory Diseases".

Reference: - COEB/CSE/2019/11, dated: 02/07/2019

It is bring to your kind notice that the proposal submitted by Dr. Sambasiva Rao Pedapudi, Department of Computer Science and Engineering of your esteemed institute for the funding of the project work titled "Digital Health Advisory System for Chronic Respiratory Diseases", has been approved by our organization for the fund of Rs. 301400/- (Rupees Three Lakh One Thousand Four Hundred Only).

Hope this project will be both technical and innovative and meet the requirements of our organization.

Thanks and Regards

General Manager, Nabakishore Health Care Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar

Project Estimate:

Sl. No.	Head	Unit	Rate Per unit (in Rs.)	Total (in Rs.)
A	Non Recurring			
1	Equipment ----- > Desktop	1	100000.00	100000.00
2	Software ----- > AI & ML	1	4300.00 (PM)	34400.00
A'	Total (Non-Recurring)			134400.00
B	Recurring Items			
1	Recurring – I: (Principal Investigator) Recurring-II: (Data Collection) Recurring-III: (Consumables, Travel, Contingencies)	1	12000.00 (PM)	96000.00 21000.00 20000.00
2	Recurring –IV: (Overhead Charges)			30000.00
B'	Total (Recurring)			167000.00
C	Total Cost of the Project (A' + B')			301400.00

The Payment will be made in two instalments:

Instalment-1: 50% of the total amount sanctioned.

Instalment-2: 50% of the total amount sanctioned.

Terms and Conditions:

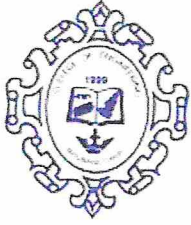
1. Project should be completed within the stipulated time duration with a maximum extension of one month.
2. Project Investigator shall report the progress of the project to Principal once in 4 months.
3. Final Project Completion Report, Utilization Certificate and Statement of Expenditure shall be submitted at the end of the work.

Thank You

General Manager, Nabakishore Health Care Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR

Under the aegis of the Nabadigant Educational Trust


Ref No. CEB/ACA/381(3)/24

Date: 16/04/2024

DECLARATION

I, Prof. (Dr.) Pradeep Kumar Bhunya, Principal, College of Engineering Bhubaneswar hereby declare that the Institute has received **Rs. 10,88200/- (Ten Lakh Eighty Eight Thousand Two Hundred Only)** in the FY 2020-21 under research project grants. The details are given below.

Name of the research project/ endowment	Name of the Principal Investigator/C o-investigator	Department of Principal Investigator	Amount Sanctio ned	Duratio n of the project	Name of the Funding Agency
Design of light weight composites for automobile dashboard and door panel	Dr. Chandru J	Mechanical Engineering	271000	8 Months	Koustuv Metals Private Limited
e-learning set-up for remote students in natural disaster scenario	Dr. Sonali Pradhan	Computer Science and Engineering	273100	7 Months	Apnitohpath shala
Design and development of Uninterruptible Power Supply system using Renewable Energy	Dr. Prakash Kumar Sahoo	Electrical Engineering	298000	6 Months	GRINITY SOLAR
Design of IoT based digital oximeter for adverse situation like covid-19	Dr. Subrat Kumar Mohanty	Electronics and Telecommun ication Engineering	246100	8 Months	Nabakishore Health Care Pvt. Ltd.


Principal

Principal
College of Engineering, Bhubaneswar



Koustuv Metals Pvt. Ltd.

Ref No. *KMPL/RC/2020/05*
Date: 19 /05 /2020

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Chandru J, Department of Mechanical Engineering, COEB,
Bhubaneswar.

Sub: Work Order on: "Design of light weight composites for automobile dashboard and door panel".

Dear Sir,

It is with immense pleasure and a sense of pride that we announce the official sanction of funds by Koustuv Metals Private Limited for the Research Project on "Design of light weight composites for automobile dashboard and door panel", with reference to the letter no : COEB/MECH/2020/38, dated 09/05/2020. The company has allocated Rs. 271000 (Rupees Two Lakh Seventy One Thousand Only) for this pivotal initiative. Under the esteemed guidance of Dr. Chandru J.

Thanking You
Regards


Director, Koustuv Metals Private Limited

For Koustuv Metals Pvt. Ltd

Director



PRINCIPAL
College of Engineering Bhubaneswar

Details of Fund Allocation:

Sl. No	Requirements	Total cost (in Rupees)
1	Raw Materials collection and processing	40,000
2	Fabrication of composites	30,000
3	Cost of experiments	85,000
4	Miscellaneous	20,000
5	Salary @ Rs. 12000	96,000
	Total	2,71,000

Fund Allocation Terms:

Project Initiation Fund: 30% of the total sanctioned amount rest 70% will be sanctioned after receiving the report from the principal investigator.

Terms & Conditions of the Research Project:

1. Validity of the Research Project: This financial year.
 2. After testing the device or final product the test certificate and completion certificate should be issued by institute.
- If the work order is accepted then kindly return the copy of this order as a token of acceptance within 5-10 days time.

Thanking You
Regards



Director, Koustuv Metals Private Limited

For Koustuv Metals Pvt. Ltd.

Director



PRINCIPAL
College of Engineering Bhubaneswar

Mail ID: support_apnitohpathshala.com
Plot No. 114, N2, IRC Village, Nayapalli
Bhubaneswar-751015



RefNo. ATP/RC/07/2020

Date: 24/05/2020

To

The Principal,
College of Engineering Bhubaneswar,
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024,
Odisha, India.
Phone: 0674 - 2740133 / 2740386
E-mail id: principal@coeb.ac.in

Dear Sir/Madam,

Warm Greetings!

Sub: Funds towards approved project proposal-Reg

Ref: COEB/CSE/2020/31, Dated: 02/05/2020

We are greatly privileged to offer the grant of Rs. 2,73,100.00 (Two Lakhs Seventy Three Thousand and One Hundred Only) to the approved project proposal titled “e-learning set-up for remote students in natural disaster scenario” submitted by Dr. Sonali Pradhan.

We would extend our continuous support throughout the implementation of the project.

Thanking You

Director, Apnitohpathshala

PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No.	Head	Unit	Rate Per unit (in Rs.)	Total (in Rs.)
A	Non Recurring			
1	Equipment ----- > Desktop	1	100000.00	100000.00
2	Software ----- > MatLab	1	4300.00 (PM)	30100.00
A'	Total (Non-Recurring)			130100.00
B	Recurring Items			
1	Recurring – I: (Principal Investigator) Recurring-II: (Data Collection) Recurring-III: (Consumables, Travel, Contingencies)	1	12000.00 (PM)	84000.00 17000.00 16000.00
2	Recurring –IV: (Overhead Charges)			26000.00
B'	Total (Recurring)			143000.00
C	Total Cost of the Project (A' + B')			273100.00

Payment terms:

1. Acceptance of work order with institution along with signing: 45%
2. On acceptance of final report: 55%

Terms & Conditions of the Research Project:

1. Validity of the Research Project: current financial year.
2. Testing and maintenance of the software will be provided by your organization for a period of 1 year.
3. If the work order is accepted then kindly return the copy of this order as a token of acceptance within 7 days.

Thanking You



Director, Apnitohpathshala



PRINCIPAL
College of Engineering Bhubaneswar

Ref No. *GS/RW/2020/11*

Date: 07/07/2020

WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Prakash Chandra Sahoo, Assistant Professor Department of Electrical Engineering, COEB, Bhubaneswar.


Sub: Work Order on “**Design and development of Uninterruptible Power Supply system using Renewable Energy**”

Dear Sir,


With reference to your project proposal Vide Letter No- COEB/EE/2020/32, Dt. 25/06/2020 on “**Design and development of Uninterruptible Power Supply system using Renewable Energy**”, we are pleased to inform you that the above mentioned proposal for research project has been approved by our company **GRINITY SOLAR, Bhubaneswar.**

Management has sanctioned a full and final amount of **Rs. 298000/- (Rupees Two Lakh Ninety Eight Thousand Only)** for execution the research project at your esteemed Institution the funding details are mentioned below for your kind consideration.

Thanking you
With regards


Senior Manager (Projects & Technical)
GRINITY SOLAR, Bhubaneswar




PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.
Non-Recurring(A)				
1	Solar Panel(300W,24V)	5	12000	60000/-
	MPPT Controller	1	14000	14000/-
	Inverter & Battery (200Ah)	Inverter- 1 Battery- 2	10000 18500	47000/-
2	Other non-electrical Accessories	-	-	5000/-
3	Equipment Fabrication (Mounting and other mechanical structure)	-	-	8000/-
Total Non-Recurring				134000/-
Recurring(B)				
1	Staff Salaries	02	12000	24,000/- *6=144000/-
2	Contingency	-	-	20,000/-
Total Recurring				164000/-
Total Cost of the project (A+B)				298000/-

Payment Mode:

30% of the total project cost will be sanctioned on the acceptance of this work order, the rest 70% will be sanctioned in two equal installments.


Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 6 months from the date of issue of work order.
2. The project may be extended to maximum duration of two months.
3. The company has the rights to cancel the installments, based upon the report by our technical team.

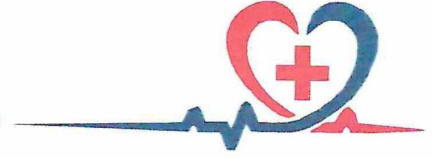
Thanking you
With regards

Senior Manager (Projects & Technical)
GRINITY SOLAR, Bhubaneswar




PRINCIPAL
College of Engineering Bhubaneswar

Nabakishore Health Care Pvt. Ltd.



Ref No. NHPL/R&D/2020/13

Date: 18/08/2020

ACCEPTANCE LETTER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Subrat Kumar Mohanty, Department of Electronics and Telecommunication Engineering, COEB, Bhubaneswar.

Sub: Work Order on, "Design of IoT based digital oximeter for adverse situation like covid-19".

Reference: - COEB/ETC/2020/06, dated: 07/08/2020

It is to bring your kind notice that the proposal submitted by Dr. Subrat Kumar Mohanty, Department of Electronics and Telecommunication Engineering of your esteemed institute for the funding of the project work titled "**Design of IoT based digital oximeter for adverse situation like covid-19**", has been approved by our organization for the fund of Rs. 246,100/- (Rupees Two Lakh Forty Six Thousand One Hundred Only).

Hope this project will be both technical and innovative and meet the requirements of our organization.

Thanks and Regards

General Manager, Nabakishore Health Care Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar

Project Estimate:

SI No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.
Non-Recurring(A)				
1	Pulse oximeter	1	300	300
	microcontroller	1	3,500	3,500
	IoT modules	1	300	300
	Packaging	1	5,000	5,000
	Other electrical/electronic components	1	5,000	5,000
Total Non-Recurring				14,100
Recurring(B)				
1	Staff Salaries	2	12,000	24,000*8=192,000
2	Contingency	-	-	40,000/-
Total Recurring				232,000
Total Cost of the project (A+B)				246,100/-

The Payment will be made in two instalments:

Instalment-1: 50% of the total amount sanctioned.

Instalment-2: 50% of the total amount sanctioned.


Terms and Conditions:

1. Project should be completed within the stipulated time duration with a maximum extension of one month.
2. Project Investigator shall report the progress of the project to Principal once in 4 months.
3. Final Project Completion Report, Utilization Certificate and Statement of Expenditure shall be submitted at the end of the work.

Thank You

General Manager, Nabakishore Health Care Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR

Under the aegis of the Nabadigant Educational Trust

Ref No. CEB/ACA/381(2)/24

Date: 16/04/2024

DECLARATION

I, Prof. (Dr.) Pradeep Kumar Bhunya, College of Engineering Bhubaneswar hereby declare that the Institute has received Rs. 13,43550/- (Thirteen Lakh Forty Three Thousand Five Hundred Fifty Only) in the FY 2021-22 under research project grants. The details are given below.

Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency
Performance Evaluation of Bacterial Concrete using Industrial Waste	Dr. M. Ramakoteiah	Civil Engineering	190000	6 Months	Grand Mark Infrastructure Limited.
Design of Voice Monitored Hot and Cold Water Dispenser System using Raspberry Pi	Dr. Loknath Sarangi	Electronics and Telecommunication Engineering	258550	9 Months	SMART LINK SOLUTION PVT.LTD.
Stock market trading training	Dr. Biswa Mohan Dash	Master of Business Administration	410,000	6 Months	Nilachal leasing and finance Pvt. Ltd.
Creating Intelligent Traffic Systems for Smart Cities with Computer Vision Guidance	Dr. Sanjay Kumar Sarangi	Master of Computer Application	296000	8 Months	Grace Research
Performance Evaluation of Geo Polymer Concrete	Dr. Mamata Mohanty	Civil Engineering	189000	7 Months	Konark Cement and Asbestos Pvt. Ltd.

Principal
Principal
College of Engineering, Bhubaneswar

Grand Mark Infrastructure Ltd.

Ref No. GMIL/R&D/2021/12

Date: 14/04/2021

To

The Principal

College of Engineering Bhubaneswar (COEB)

Plot No. 1(A), CNI Complex, Patia,

Bhubaneswar, Pin-751024, Odisha

Phone: 0674-2740133/2740386/2740828

Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. M. Ramakoteiah, Department of Civil Engineering, COEB Bhubaneswar.

Sub: Detailed work order for the proposal, "**Performance Evaluation of Bacterial Concrete using Industrial Waste**".

Reference: COEB/CIVIL/2021/03 dated: 05/04/2021.

Dear Sir,

We wish to bring to your kind notice that our company board hereby has sanctioned an amount of Rs. 1,90,000/-, for the implementation of research project "Performance evaluation of bacterial concrete using Industrial waste" for a duration of 6 months. On your alacrity to take up the project, please forward the acceptance letter and the stock book of participants involved in the development of this project, as early as possible.

We look forward for your early reply to take this forward.

Thanking you

With Best Regards.



Director

Grand Mark Infrastructure Limited.

Director

Grand Mark Infrastructure Ltd



PRINCIPAL
College of Engineering Bhubaneswar

692, Cuttack Road, Bhubaneswar, Odisha-751002

Project Cost:

Sl. No	Proposed Equipment	Specification	No of units	Rate/unit	Approx. cost in Rupees
1	Fabrication of Tank	15 cm x 15 cm x15 cm	8		8,000/-
2.	Proving ring	50 KN capacity	1		20,000
Total Non-recurring Cost (A)					28,000/-
Sl. No	Different Heads		NO./Unit		Approx. cost in Rupees
1	Salary for research assistant for 6 month		1		72,000/-
2	Materials		Cement, aggregate, GGBS, Blast furnace slag, Bacillus pasteurii and other equipment		80,000/-
3.	Contingency		-		10,000/-
Total Recurring Cost (B)					1,62,000/-
Total cost of Project (A+B)					1,90,000/-

3. Payment Condition:

An advance amount of 30% of the total project cost will be sanctioned on the acceptance of this work order, the rest 70% will be released in two equal installments after the final report is recieved.

4. Terms and Conditions:

1. The amount sanctioned is applicable for duration of 1 year.
2. Test certificate to be issued by the investigator after successful completion of the project.
3. All safety measures must be followed.
4. No modification and demand for excess payment is not accepted.

Thanking you

With Best Regards.

Director

Grand Mark Infrastructure Limited.

Director
Grand Mark Infrastructure Ltd



PRINCIPAL
College of Engineering Bhubaneswar

SMART LINK SOLUTION PVT. LTD.

Email: info@smartlinkindia.com | www.smartlinkindia.com



RefNo. GLSPL/R&D/2021/10

Date: 16/04/2021

PROJECT WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

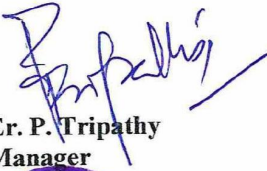
Dear Sir.

With reference to your letter no: COEB/ETC/2021/16 dated 04/04/2021, we wish to inform you that your Research project proposal entitled " **Design of Voice Monitored Hot and Cold Water Dispenser System using Raspberry Pi** " submitted by Dr. Loknath Sarangi, to our Research and Development Cell has been approved for funding for the period of nine months.


Project Sanction Amount Rs. 258550 (Rupees Two Lakh Fifty Eight Thousand Five Hundred Fifty Only).

Thanking You

For SMART LINK SOLUTION PVT.LTD.


Er. P. Tripathy
Manager




PRINCIPAL
College of Engineering Bhubaneswar

Address: 1st floor, N3/423, IRC Village, Nayapalli, Bhubaneswar, Odisha 751015

Project Estimate:

Sl. No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.	
Non-Recurring(A)					
1	1	Temperature sensor	5	110	550
	2	Water pump	1	3,500	3,500
	3	Speaker	1	300	300
	4	Dispensing system (pipes/valves)	1	3,500	3,500
	5	Wood encloser	1	2,000	2,000
	6	Raspberry Pi system	1	5,000	5,000
	7	Microphone	1	1,200	1,200
	8	bin	1	5,000	5,000
	9	heater	1	1,500	1,500
Total Non-Recurring				22,550	
Recurring(B)					
1	Staff Salaries	2	12,000	24,000*9=216,000	
2	Contingency	-	-	20,000/-	
Total Recurring				2,36,000	
Total Cost of the project (A+B)				2,58,550	

The Payment will be made in three instalments:

Instalment-1: 35% of the total amount sanctioned.

Instalment-2: 40% of the total amount sanctioned.

Instalment-3: 25% of the total amount sanctioned.

Terms and Conditions:


1. Project should be completed within the stipulated time duration with a maximum extension of two months.
2. Project Investigator shall report the progress of the project to Principal once in 4 months.
3. Final Project Completion Report, Utilization Certificate and Statement of Expenditure shall be submitted at the end of the work.

Thank You

For SMART LINK SOLUTION PVT.LTD.

Er. P. Tripathy, Manager




PRINCIPAL
College of Engineering Bhubaneswar

NEELACHAL LEASING & FINANCE PVT. LTD.

Mail Id: loans@neelachalfinance.com | Call: 0674 2542670

Ref No. NLFPL/R&D/2021/36

Date: 22/06/2021

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Biswa Mohan Dash

Sub: Work Order on: "Stock market trading training".


Reference: - COEB/MBA/2021/13, dated: 08/06/2021.

Dear Sir,


We are very much thankful to you on receipt of your above referred proposal letter towards Stock market trading training. We are pleased to inform you that Nilachal leasing and finance Pvt. Ltd. Bhubaneswar, sanctioned 410000 (Four lakh Ten Thousand Only) for the said project proposal and the details of funds as mentioned below.

We need your support & look forward for your kind consent of the above cited matter.

Thanking you with regards


Nilachal leasing and finance Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar

Project Estimate:

Sl. No	Description of the project	Total Cost in Rs.
Non-Recurring(A)		
1	Projector and smart board,5 Computers	2,00,000/-
2	Miscellaneous	40,000/-
Total Non-Recurring		240,000/-
Recurring(B)		
1	Trainer (1no.) Per head Rs. 20,000/-	120,000/-
2	Attendant (1no.) Per Head Rs. 5000/-	30,000/-
3	Contingency	20,000/-
Total Recurring		170,000/-
Total Cost of the project (A+B)		410,000/-

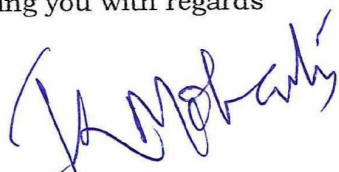
Mode of Payment:

80% of the total project cost will be paid on the acceptance of the letter rest 20% will be paid on the submission of the project report.

Term & Conditions:

- (i) Project work must completed within the time frame.
- (ii) No deviation, modification is allowed.
- (iii) A maximum 15 days extension is allowed for the completion of project.

Thanking you with regards



Nilachal Leasing and finance Pvt. Ltd.



PRINCIPAL
College of Engineering Bhubaneswar



GRACE RESEARCH

570 1892, Nigam Vihar, Patia, Bhubaneswar, Odisha Pin-751017

Ref No. GIR/2021/06

Date: 27/06/2021

To
The Principal,
College of Engineering Bhubaneswar,
Plot No.1 (A), CNI Complex, Patia, Bhubaneswar – 751024,
Odisha, India.
Phone: 0674 - 2740133 / 2740386
E-mail id: principal@coeb.ac.in


Dear Sir/Madam,

Sub: Proposal Acceptance Letter and Sanction Order


As per our discussion and with reference (COEB/MCA/2021/32 dated: 21/05/2021) to your project proposal titled “**Creating Intelligent Traffic Systems for Smart Cities with Computer Vision Guidance**”, we are pleased to inform you that the proposal is approved by our expert team. Dr. Sanjay Kumar Sarangi and the team members of Department of MCA, College of Engineering Bhubaneswar will exclusively handle the work and is expected to be completed within the prescribed time duration.

We offer a grant of Rs. 2,96,000.00/- (Rupees Two Lakh Ninety Six Thousand Only) and assure you that our team will be helpful in the entire required situation to complete the project.

Thanking You


Senior Manager, Grace Research




PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No.	Head	Unit	Rate Per unit (in Rs.)	Total (in Rs.)
A	Non Recurring			
1	Equipment ----- > Desktop	1	100000.00	100000.00
2	Software ----- > Cisco Network Analysis Module Traffic Analyzer	1	4300.00 (PM)	34400.00
A'	Total (Non-Recurring)			134400.00
B	Recurring Items			
1	Recurring – I: (Principal Investigator) Recurring-II: (Data Collection) Recurring-III: (Consumables, Travel, Contingencies)	1	12000.00 (PM)	96000.00 22000.00 18000.00
2	Recurring –IV: (Overhead Charges)			26000.00
B'	Total (Recurring)			162000.00
C	Total Cost of the Project (A' + B')			296400.00

Payment Terms:

30% on the acceptance of this order, 70% after receiving the complete report.

Terms and Conditions:

1. Maximum of two month of extension can be provided to complete the project.
2. The principal investigator has to appear in every two months showing the progress of the project.

Thanking You

Senior Manager, Grace Research




PRINCIPAL
College of Engineering Bhubaneswar



KONARK CEMENT & ASBESTOS PRIVATE LIMITED

RefNo. KCAPL/R&D/2021/14

Date: 21/07/2021

WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Mamata Mohanty, Department of Civil Engineering, COEB,
Bhubaneswar.

Sub: Work Order on: "Performance Evaluation of Geo PolymerConcrete".

Reference:- COEB/CIVIL/2021/23 dated: 02/07/2021.

Dear Sir,

Concerning the above proposal, we are pleased to inform you that the research project "Performance Evaluation of Geo PolymerConcrete" has been approved by our organization for possible funding of Rs. 1,89,000/- (One Lakh Eighty Nine Thousand Only). The details of funds allocated under different heads are mentioned below.

Thanking You
Regards


Managing Director

Konark Cement and Asbestos Pvt. Ltd..

KONARK CEMENT & ASBESTOS LTD.

Director



PRINCIPAL
College of Engineering Bhubaneswar

Revenue plot no-69(p) IDCO, Plot no-1, Khata no-612
Mouza, Chandrasekharpur

Budget Estimate-

Sl. No	Proposed Equipment	Specification	No of units	Rate/unit	Approx. cost in Rupees
1	Permeation test device		1	20,000/-	20,000/-
2.	Fabrication of Tank	15 cm x 15 cm x15 cm	10	1,500/-	15,000/-
Total Non-recurring Cost (A)					35,000/-
Sl. No	Different Heads		NO./Unit		Approx. cost in Rupees
1	Salary for research assistant for 7 month		1		84,000/-
2	Materials		Red mud, Blast furnance slag		70,000/-
Total Recurring Cost (B)					1,54,000/-
Total cost of Project (A+B)					1,89,000/-

Terms and Conditions:

1. The project order is valid till the end of the current financial year.
2. Submission of utilization report is to be made within 15 days of completion of the project.
3. 60% of the Sanctioned amount will be disbursed at the start of the contract and the rest amount will be paid by submission of the utilization report

We would extend our continuous support throughout the implementation of the project.

Thanking You
Regards

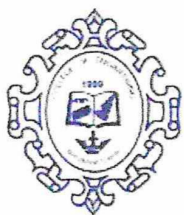

Managing Director

Konark Cement and Asbestos Pvt. Ltd.

KONARK CEMENT & ASBESTOS LTD.

Director


PRINCIPAL
College of Engineering Bhubaneswar



COLLEGE OF ENGINEERING BHUBANESWAR

Under the aegis of the Nabadigant Educational Trust

Ref No. CEB/ACA/381(1)/24

Date: 16/04/2024

DECLARATION

I, Prof. (Dr.) Pradeep Kumar Bhunya, Principal, College of Engineering Bhubaneswar hereby declare that the Institute has received **Rs. 11,66000/- (Eleven Lakh Sixty Six Thousand Only)** in the FY 2022-23 under research project grants. The details are given below.

Name of the research project/ endowment	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Amount Sanctio ned	Duratio n of the project	Name of the Funding Agency
Development and analysis of electric vehicle	Dr. Chandru J	Mechanical Engineering	219000	7 Months	MallickToo ls & Engineerin g Pvt. Ltd.
UTILIZATION OF BOTTOM ASH AS COLUMN MATERIAL	Dr. R. Thirumalai Raja	Civil Engineering	446000	9 Months	Citicon Engineers Ltd.
Performance Evaluation of Rural Road Using Coir Geotextile	Dr. Mamata Mohanty	Civil Engineering	222000	8 Months	Aryan Infra Project Limited.
Research Project on Integration of Renewable Energy using Micro Grid System	Dr. T C Manjunath	Electrical Engineering	279000	6 Months	Nina Solar

Principal
Principal
College of Engineering, Bhubaneswar



MALLICKTOOLS & ENGINEERING PRIVATE LIMITED

Ref No. *MEPL/R&D/2022/13*

Date: 05/04/2022

Work Order


To
The Principal,
College of Engineering Bhubaneswar,
Plot No.1 (A), CNI Complex
Patia, Bhubaneswar – 751024
Odisha, India
Phone: 0674 - 2740133 / 2740386 / 2740828
E-mail id: info@coeb.ac.in/principal@coeb.ac.in

Subject: Work Order for “Development and analysis of electric vehicle.”

Dear Sir,

We are pleased to inform you that **MallickTools & Engineering Pvt. Ltd.** has officially sanctioned the requested funds of **Rs. 2,19,000/-** vide your expression of Interest (EOI) reference no : **COEB/MECH/2021/08**, dated **15/03/2022** for the “**Development and analysis of electric vehicle.**” led by **Professor Dr. Chandru J**, at College of Engineering Bhubaneswar. We would like to express our sincere appreciation for the well-structured project proposal submitted by College of Engineering Bhubaneswar. MallickTools & Engineering Pvt. Ltd. is delighted to support initiatives that contribute to technological advancements and environmental sustainability. This letter serves as a formal work order, confirming the release of funds for the mentioned project. We believe that the allocated funds will be instrumental in the successful execution of the research objectives within the stipulated timeframe. We look forward to witnessing the positive outcomes of this collaboration and anticipate that the project will make valuable contributions to the field of electric vehicle. If there are any additional administrative or procedural requirements from our end, please do not hesitate to inform us.

The details of the project are mentioned below.


PRINCIPAL
College of Engineering Bhubaneswar

Sl. No.	Requirements	Total cost (in Rupees)
1	Making the design and drawing	10,000
2	Buying lead acid battery and raw materials collection	40,000
3	Body structure and fabrication work	30,000
4	Electrical accessories	25,000
5	Cost of experiments	10,000
6	Miscellaneous	20,000
7	Salary @ Rs. 12000	84,000
	Total	2,19,000

Terms and Conditions:

Project Duration and Timelines:

- The research project is expected to be completed within the academic year 2022-2023.
- Any deviation from the project timeline must be communicated and mutually agreed upon by both parties.

Documentation and Certification:

The institution is responsible for providing a comprehensive Test Certificate and Completion Certificate upon the successful testing of the developed device or final product.

All documentation, including progress reports and relevant certificates, must be submitted to MallickTools & Engineering Pvt. Ltd.

Payment Terms:

The payment structure outlined in the payment terms section must be strictly adhered to.

The first payment of 50% will be released upon the acceptance of the work order with the institution and signing. The remaining 50% will be disbursed upon the acceptance of the final report MallickTools & Engineering Pvt. Ltd.

Acceptance and Confirmation:

In the event of accepting this work order, the institution is required to return a signed copy of this order within 15-20 days as a formal acknowledgment of acceptance.

Failure to adhere to the specified terms and conditions may result in a review of the collaboration and its continuance.

By accepting this work order, both parties agree to abide by these terms and conditions for the successful execution of the research project.


Thank you for your cooperation, and we look forward to a fruitful partnership.

Yours sincerely


General Manager

MallickTools & Engineering Pvt. Ltd.




PRINCIPAL
College of Engineering Bhubaneswar



CITICON ENGINEERS LIMITED
Bhubaneswar, Odisha-751013

Ref No. *CEL/R&D/2022/03*

Date: 18/04/2022

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. R. Thirumalai Raja, Department of Civil Engineering, COEB Bhubaneswar

Sub: Work Order on: **"UTILIZATION OF BOTTOM ASH AS COLUMN MATERIAL"**

Reference:- COEB/CIVIL/2021/18, dated 06th April 2022

Dear Sir,

We are very much thankful to you on receipt of your above-referred proposal letter towards **"Utilization of Bottom Ash As Column Material"** for a duration of 7 months. We are pleased to inform you that Citicon Engineers Ltd., Munduli, Odisha approved the idea because of its technical innovation. The company sanctioned a grant of Rs. 4, 46,000 (Four Lakh Forty Six Thousand only) for the said project proposal. We expect you to finish the project on the proposed timeline.

We assure you that our team will be helpful in the entire required situation to complete the project.

Thanking you with regards.

Your Sincerely,

Director

Citicon Engineers Ltd.
Director
CITICON ENGINEERS LIMITED

PRINCIPAL
College of Engineering Bhubaneswar

Project Estimate:

Sl. No	Proposed Equipment	Specification	No of units	Rate per unit	Approx. cost in Rupees
1	Data logger	4 channel	1	200000/-	1,50,000/-
2	Pressure cell	Loading capacity of 500 kPa	2	60000/-	1,20,000/-
3.	LVDT	Max. 50 cm	1	10000/-	10,000/-
4.	Fabrication of Tank	90 cm x50 cm x 20 cm	1	8000/-	8,000/-
Total Non-recurring Cost (A)					2,88,000/-
Sl. No	Different Heads		NO./Unit	Approx. cost in Rupees	
1	Salary for research assistant for 9 month		NA	1,08,000/-	
2	Materials		Kaolinite clay(50 kg) Bottom ash	40,000/-	
3	Contingency		-	10,000/-	
Total Recurring Cost (B)					1,58,000/-
Total cost of Project (A+B)					4,46,000/-

Payment Mode:

30% of the total project cost will be sanctioned on the acceptance of this work order, the rest 70% will be sanctioned in two equal installments.

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 7 months from the date of issue of work order.
2. The project may be extended to maximum duration of two months.
3. The company has the rights to cancel the installments, based upon the report by our technical team.


Thanking you with regards.

Yours Sincerely,


Director

Citicon Engineers Ltd.

Director
CITICON ENGINEERS LIMITED


PRINCIPAL
College of Engineering Bhubaneswar



ARYAN INFRA PROJECTS LIMITED

Email ID: info@aryaninfraprojects.com | www.aryaninfraprojects.com

Ref No. **AIPL/RSD/2022/05**

Date: 17/05/2022

ACCEPTANCE LETTER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. Mamata Mohanty, Department of Civil Engineering, COEB Bhubaneswar

Sub: Work Order on: "*Performance Evaluation of Rural Road Using Coir Geotextile*"

Reference:- COEB/CIVIL/2021/21, dated 06th May 2022

Dear Ma'am,

On behalf of Aryan Infra Project Limited., we are happy to accept and recognize the project proposal titled "*Performance Evaluation of Rural Road Using Coir Geotextile*". We are highly privileged to offer a grant of Rs. 2, 20,000 (Two Lakh Twenty Thousand) towards the project work of duration 7 months.

Our organization is very delighted to support your unique ideas and expects you to finish the project within the stated deadline.

Thanking You

Regards

Director

Aryan Infra Projects Limited.

Director
Aryan Infra Project Limited

PRINCIPAL
College of Engineering Bhubaneswar

Project Cost:

Sl. No	Proposed Equipment	Specification	No of units	Rate/Unit	Cost in Rupees
1	CBR testing Machine	Loading capacity of 100 KN	1		30,000/-
2	Skid resistance tester	Loading capacity of 500 kPa	2		8,000/-
3.	LVDT	Max. 50 cm	1		20,000/-
4.	Fabrication of Tank	Mild steel with perpex wall of dimension 90 cm/30 cm/ 30 cm	1		8,000/-
Total Non-recurring Cost (A)					66,000/-
Sl. No	Different Heads	NO./Unit	Cost in Rupees		
1	Salary for research assistant for 8 month	NA	96,000/-		
2	Materials	Coir geotextile	60,000/-		
Total Recurring Cost (B)			1,56,000/-		
Total cost of Project (A+B)			2,22,000/-		

Mode of Payment:

The payment will be made in two instalments:

Instalment-1: 40% of the total amount sanctioned, on the acceptance of work order.

Instalment-2: 60% of the total amount sanctioned, on the receiving of the detail project report.

Terms and Conditions:

1. Our project in-charge can approve a two-month extension of the project time based on work progress.
2. You may use our development and testing facilities for project development with prior approval from the project in-charge.
3. Project should be presented to our project team after its successful completion within the prescribed period.


Thanking You

Regards


Director

Aryan Infra Project Limited.

Director
Aryan Infra Project Limited


PRINCIPAL
College of Engineering Bhubaneswar



Phone : +91-7381017818
Email : info@ninasolar.co.in
www.ninasolar.co.in

RefNo. NS/R&D/2022/09

Date: 09/08/2022

WORK ORDER

To
The Principal
College of Engineering Bhubaneswar (COEB)
Plot No. 1(A), CNI Complex, Patia,
Bhubaneswar, Pin-751024, Odisha
Phone: 0674-2740133/2740386/2740828
Email: info@coeb.ac.in / principal@coeb.ac.in

Kind Attention: Dr. T C Manjunath, Assistant Professor Electrical Engineering Department.

Sub: Work Order on “Research Project on Integration of Renewable energy using Micro grid System”

Dear Sir,

We are pleased to inform you that as per the proposal reference Letter No- COEB/EE/2021/33, dt. 29/07/2022 on “Research Project on Integration of Renewable Energy using Micro Grid System”, has been approved by our technical team. The financial authority, NINA SOLAR, Bhubaneswar has sanctioned an amount of Rs. 2, 79,300/- (Rupees Two Lakh Seventy Nine Thousand Only) as a full and final amount.

You can now carry out the research work at your organization as the funding details are mentioned below for your kind consideration.

Thanking You
With Regards


MD, NINA SOLAR

**Director
NINA SOLAR**


PRINCIPAL
College of Engineering Bhubaneswar

1. Project Cost

Sl No	Description of the project	Unit	Rate Per unit in Rs.	Total Cost in Rs.
Non-Recurring(A)				
1	PV Panel	1 kW, Qty-1	55000	55000/-
2	Other hardware requirements.	Mosfets n-channel, Qty-12, and ics, Gate driver	-	35000/-
3	Equipment Fabrication	PCB Printing, Qty-4	-	25000/-
Total Non-Recurring				115000/-
Recurring(B)				
1	Staff Salaries	02	12000	24,000/- *6=1,44,000/-
2	Contingency	-	-	20,000/-
Total Recurring				164000/-
Total Cost of the project (A+B)				2,79,000/-

2. Payment Terms

Acceptance of Work order	60%
Demonstration of characteristics at the PCC	
Acceptance of final report by NINA SOLAR	40%

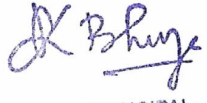
3. Duration of the Project 6 Months from the date of issue of the work order.

Terms and Conditions:

1. The amount sanctioned is applicable for a duration of 8 months.
2. Test certificate to be issued by the investigator after successful completion of the project.
3. The project may be extended to maximum duration of two months.
4. The company has the rights to cancel the second installment if the work carried found unsatisfactory by our technical team.

Thanking you


MD, NINA SOLAR
Director
NINA SOLAR


PRINCIPAL
College of Engineering Bhubaneswar