

**CONSULTANCY PROJECT**

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND

**CONSULTANCY IN-CHARGE**

**Dr.R.Sivakumar M.E., Ph.D.,**

HEAD OF THE DEPARTMENT

**Prof.V.Srinivasan M.E.,**

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

2018 – 2019

E G S PILLAY ENGINEERING COLLEGE

NAGAPATTINAM – 611 002

TAMI NADU

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## E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)  
(Affiliated to Anna University Chennai)



Ref.No: EGSPEC/MRW/2018/PO3/03

Date: 25.05.2018

To

Mr.S.BASKARAN  
Village Director,  
M/s SOS Children's Village,  
Nagapattinam - 611 001

Sir,

Sub: Commercial Building Maintenance, Repair and Retaining wall work.

We are Happy to inform you that we are doing Construction and Repair work for commercial and Retaining wall work. Hence we request you to kindly give a positive response from your side. We enclosed the Broucher.

Thank You.

*V. Srinivasan*  
Yours faithfully,

(V.SRINIVASAN)



Contact Details,

V.SRINIVASAN  
AP/CIVIL  
E G S Pillay Engineering College,  
Nagapattinam.  
Mail : [ikd070814@gmail.com](mailto:ikd070814@gmail.com)  
Contact : 7200621474





**SOS CHILDREN'S  
VILLAGES  
INDIA**

To

The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, June 01<sup>st</sup> 2018

Sir,

Sub: RCC Retaining wall work – Reg.

Thank you for your interest. We received your requisition letter and we accept your request, This is to inform you that to give the permission to do the new RCC retaining wall to arrest water seepage in the North side pond in SOS Village, Nagapattinam.

Please send your project proposal as early as possible.

Thanking You,

*V. Srinivasan*

*A. Bal*  
A loving home for every child





## E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



Ref: EGSPEC / CW / 0505 / PO3 / 02

Date ;05.05.18

To

Mr.S.BASKARAN

Village Director,

M/s SOS Children's Village,

Nagapattinam – 611 001

Sir,

We are Happy to inform you that here with we attached complete project proposal for your reference and fix one date for discussing about the project details.

Thanking you.

*V. Srinivasan*

Yours faithfully,

(V.SRINIVASAN)

Contact Details,

V.SRINIVASAN

AP/CIVIL

E G S Pillay Engineering College,

Nagapattinam.

Mail : [ikd070814@gmail.com](mailto:ikd070814@gmail.com)

Contact : 7200621474



## PROJECT PROPOSAL

01	Title of the project	RCC Retaining Wall to Arrest Water Seepage in the North side Pond .
02	Type of the project	CONSULTANCY WORK
03	Name & Designation of the project coordinators	Dr.R.Sivakumar Associate Professor/HoD-civil Mr.V.Srinivasan AP/civil
04	Postal address of the principal investigator	Old nagore Road, thethi village, Nagore-post, Nagapattinam-611002
05	Contact phone number of the project coordinators	Mr.V.SRINIVASAN Project coordinators Contact No.7200621474 Email:ikd070814@gmail.com
06	Name of the institution/Organization in which the project will be carried out	E.G.S Pillay Engineering College, Nagapattinam.
07	Name of the other client involved in the project	SOS Children's Village, Nagapattinam.
08	Duration of the project	June 2018- March 2019(10 months)
09	Total cost of project proposal(details to be furnished in the prescribed format)	Enclosed separately-Annexure 1
10	An abstract not exceeding one page describing the background, objectives methodology year wise budget	Enclosed separately-Annexure 2
11	Project work plan	Enclosed separately-Annexure 3
12	Facilities available at the Institution/Organization to carry out the project	Concrete lab, Consistency Test
13	Expected outcome	Enclosed separately-Annexure 4

Place: Nagapattinam


Date: 05.05.18

  
Signature of the

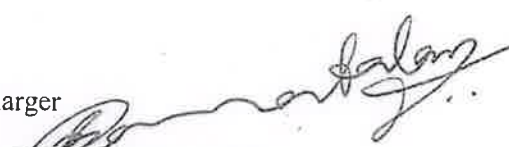
Head of the Department

With seal

DR. R. SIVAKUMAR, HEAD OF THE DEPARTMENT  
Professor & HoD,  
Department of Civil Engineering,  
E.G.S. PILLAY ENGINEERING COLLEGE,  
NAGAPATTINAM.

  
Signature of Consultant in charge



  
Signature of the  
Head of the Institution

PRINCIPAL  
E.G.S. Pillay Engineering College,  
Nagapattinam.



**SOS CHILDREN'S  
VILLAGES  
INDIA**

To

The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, June 10<sup>th</sup> 2018

Sir,

Sub: Discussion of Newly construct the Retaining Wall Structure – Reg.

As per your request I will come and discuss with you on 12.05.2018. Kindly  
arrange necessary documents for discussion.

Thanking You.

SOS Children's Village Nagapattinam.  
Bungalow Club Road,  
Nagapattinam,  
Nagapattinam-611001.  
+91-4365-248100  
www.soschildrensvillages.in

*V. Divya*

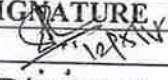
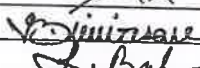
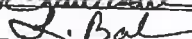
*A. Bal*

**A loving home for every child**

### MINUTES OF MEETING - 1.

PURPOSE OF MEETING	CONSULTANCY WORK
Project title	Leakage Arresting in the concrete structure
Project Reference No.	EGSPEC/CW/2019/PO3/01
Meeting No.	01
Date	12.05.18
No. of Attendees	03

### MEMBERS PRESENT


SL.NO	NAME	DESIGNATION	SIGNATURE
01	Prof.R.Sivakumar	HoD / Civil	
02	V.Srinivasan	Professor / Civil	
03	S.Baskar	SoS / MD	

#### Point Discussed

- ❖ We discussed about the leaking of roof, tank, sump, etc., is a cause for immediate concern because small crack term into much ones in as little has a night.
- ❖ Gravity play on interesting roll in spreading crack and gravitational pressure is highest in roof top. Hence repairing requires is right at the moment.
- ❖ Consultancy in charge need to have a regular visit to Pondicherry where the problems arise.
- ❖ Every three months once, progress report about construction need to given by the Clint.

Minute by: V.Srinivasan



  
 HOD / CIVIL  
**Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.**  
**Professor & Head,**  
**Department of Civil Engineering,**  
**E.G.S. PILLAY Engineering College,**  
**Nagapattinam.**





**E.G.S. PILLAY ENGINEERING COLLEGE,**  
OLD NAGORE ROAD,  
NAGAPATTINAM, TAMIL NADU - 611002, INDIA  
Tel: 91-4365-251112, 251114 Fax: 91-4365-251114  
Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref. No.  
EGSPEC/MPW/2018/PO3/03

For Office Use Only

## Project Assignment Proposal and Agreement Form

### PART-A

**TITLE OF THE PROJECT** (Kindly fill in **BLOCK** letters)

RCC RETAINING WALL TO ARREST WATER SEEPAGE IN THE NORTH SIDE POND IN SOS  
VILLAGE - NAGAPATTINAM

### ASSIGNMENT INCHARGE

Name: V SRINIVASAN Designation: ASSISTANT PROFESSOR  
Department/Centre: CIVIL / EGSPEC NAGAPATTINAM  
Telephone: Mobile: 72006-21474 Email: ikd070814@gmail.com

### EXPECTED TIME SCHEDULE

Duration: Years Months Weeks Starting Date:  
Jun 2018 - Mar 2019 00 10 10/06/2018

### CLIENT DETAILS

 (Kindly fill in **BLOCK** letters)

Firm's Name: M/s SOS Childrens village  
Address: 54, Bungalow club rd,  
Kadambady, Nagapattinam.  
Contact Person's Name: Mr. S.BASKARAN  
Designation: Village Director

City: Chennai 04365-248100 Fax Web: soschildrensvillages.in

### TOTAL CHARGES AND PAYMENT DETAILS

Mode of Payment: → By Cheque By Draft Telegraphic Transfer  
Currency: → Indian Rupees Foreign → Country: Currency:  
Payment enclosed: → Full Payment Part Payment

Total Value (in figures) 704000/- Total Value (in words) SEVEN LAKHS AND FOUR THOUSAND ONLY Bank's Name and Branch : BANK OF BARODA

DD/Cheque No. DD/Cheque Amount : 704000/- DD/Cheque Date:

### SCOPE OF THE PROJECT

 (attach separate sheet, if necessary)

### AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to acknowledge that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge  
Date:

*V. Srinivasan*

## PART - B

### DETAILS OF THE CONSULTANT INCHARGE AND CO-CONSUTANT INCHARGES(S)

	Employee's Name	Designation	Department	Signature
CI:	Dr. R.SIVAKUMAR	HOD	CIVIL	
Co-CI:	Mr. V.SRINIVASAN	ASST.PROFESSOR	CIVIL	<i>V. Srinivasan</i>
Co-CI:	Mr.S.BASKARAN	MD	SOS VILLAGE	
Co-CI:				

#### TYPE OF PROJECT (Please any one of the following)

Type A: Product/Process development and advice/report based on significant research and development.

Type B\*\*: Testing and Interpretation, Design Checking etc.

\*\*Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

#### TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES      Public Sector      Govt. Sector      Foreign Organization

#### BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	<b>EXPENSES</b> Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	EXPENSES	535000.00
(II)	<b>FEE FOR SCIENTIFIC &amp; TECHNICAL ADVICE</b>	FEESTA	133750.00
(III)	<b>INSTITUTE CHARGES</b> (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	INSTOHS	25250.00
(IV)	<b>TOTAL CHARGES (I+II+III)</b>		<b>694000.00</b>
(V)	<b>SERVICE TAX @ 12% OF IV(Total Charges)</b>		
(VI)	<b>EDUCATION CESS @ 3% OF V(Service Tax)</b>		10000.00
(VII)	<b>GROSS AMOUNT (IV+V+VI)</b>		<b>704000.00</b>

*[Signature]*  
**SIVAKUMAR, M.B.A., M.E., Ph.D.**  
 Professor & Head,  
 Department of Civil Engineering,  
 E.G.S. PILLAY Engineering College,  
 Nagappattinam.



*[Signature]*  
 Signature of the In-charge  
 Date:

**ANNEXURE FOR**  
**FORM NO.CW/F-02 (CONSULTANCY FORM)**



**E.G.S. PILLAY ENGINEERING COLLEGE,**

**OLD NAGORE ROAD,  
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

**Tel: 91-4365-251112, 251114 Fax: 91-4365-251114**

**Email: principal.egspec@gmail.com Web: http://egspec.org**

**STANDARD TERMS AND CONDITIONS OF CONTRACT FOR CONSUTANCY**

**Title of the Consultancy Job:**

**RCC Retaining wall to Arrest Water seepage in the north side Pond in SOS Village -  
Nagapattinam**

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**Name & Address of the Client: Mr.S.BASKARAN, MD, SOS VILLAGE, NAGAPATTINAM.**

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**Name and Dept. of the In-charge:**

**V.SRINIVASAN, AP/Civil, EGSPEC, Nagai.**

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

1. **DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
2. **RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
3. **DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
4. **SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
5. **RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client, rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.



6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project, will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

*V. Srinivasan*  
V.SRINIVASAN

*L. Bal*

Date:03/06/2018

Name & Signature of Incharge

Name & Signature of Client

Place:



(with office seal)

Annexure-1

DETAILS OF BUDGET

SI.NO	DISCRIPTION	TOTAL
A	Payment for consultancy in charger for 220 R.ft(Rs.3200 / R.ft)	5,25,000.00
B	Equipment, Materials testing, etc.,	20,000.00
C	Consumable and labour charges	78,000.00
D	Travel, Contingency, etc.,	16,000.00
E	Total of A+B+C+D	6,39,000.00
F	Institutional overhead (Including service Tax, Education cuss, etc.)	65,000.00
G	Total cost of project(E+F)	7,04,000.00


Annexure-2

ABSTRACT

Project Coordinator : V.Srinivasan M.E., Assistant Professor  
Project Name : Retaining Wall  
Name of the company : SOS Village, Nagapattinam.  
Name of the Work : Consultation and supervision

I. In the construction field leakage use one of the main problem. In SOS Children's village consistency working leakage in the Existing Retaining wall and basement etc.,. The approached for a consultation recording leakage problem. I accepted and provide them a consultation with Newly construct the RCC Retaining wall for arresting leakage .the consultation charge is 3200.00Rs./ R.ft rate. The total length is 220 R.ft for this project and the payment Rs.704000/-get in the form of 3 part of Payment cheque from the SOS Children's Village, Nagapattinam.



  
**Dr. R. SIVAKUMAR, B.B.A., M.E., Ph.D.**  
**Professor & Head,**  
**Department of Civil Engineering,**  
**E.G.S. PILLAY Engineering College.**  
**Nagapattinam.**

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## WORK PLAN

### METHODOLOGY

This is the case study of arrest the leakage in the retaining wall of building coastal region. It also involves analysis, evaluation and finds solution for the durability problems in leakage in the Retaining Wall.

Among them educational building, residential buildings, public building are included.

The building surveyed is situated at the distance around 3km.

During survey many type of cracks, corrosion and patches are identified.

### OBJECTIVES

Increase the durability and strengthening of existing Retaining Wall . Newly constructed the Retaining wall methods. Post retro fitting's elevation for behaviour of the structure health assessment of the existing structure in adherence with latest tools.

### CONSTRUCTION MATERIALS

Cement

Steel

Sand

Aggregates materials

Water

### AGGREGATE EXPENSIONS

Magnesium carbonate compounds react with hydroxyl ions yields magnesium Hydroxide and carbonite ion.

These cause destruction of material. Mechanical damage erosion may occur.

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## EXPECTED OUTCOMES

- ❖ Leakage problem permanently solved.
- ❖ Preventive measures were given.
- ❖ 25% of maintenance cost will be saved.
- ❖ Durability of the structure will be extended.

## 2.Bio-Data of the coordinators



1. Name : V.Srinivasan
2. Gender : Male
3. Date of Birth : 05.07.1978
4. Designation & Affiliation : Assistant Professor / civil
5. Postal Address : 139/2, Vicknapuram, Avaranipuducherry post, Sikkal-via, Nagapattinam-DT, PIN-611108
6. Contact Number : 72006 21474
7. Email Id : [ikd070814@gmail.com](mailto:ikd070814@gmail.com)
8. Field Experience : 14 years in planning & execution
9. Qualification

SI.No.	Degree	Institution	Year
01	B.E., CIVIL	Raja college of Engg&Tech., Madurai	2001- 2004
02	M.E., Struct	SRV Engg. College. Sembodai. Nagapattinam	2015 - 2017

10. Employment Experience : 21 Months (E.G.S Pillay Engineering College, Nagapattinam)



**Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.**  
 Professor & Head,  
 Department of Civil Engineering,  
 E.G.S. PILLAY Engineering College,  
 Nagapattinam.





**SOS CHILDREN'S  
VILLAGES  
INDIA**

To

The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, June 20<sup>th</sup> 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Three Part of payments.

First Payment

A/c Number	:	0052053000107602
Cheque No.	:	000400
Date	:	17.06.2018
Bank	:	South Indian Bank
Amount	:	2,00,000/-

SOS Children's Village Nagapattinam.  
Bungalow Club Road,  
Madambady,  
Nagapattinam-611001.  
Tel: +91-4365-248100  
www.soschildrensvillages.in

*V. Srinivasan*

*A. Bal*

**A loving home for every child**



दऱु सऱुडु इणुडुडु डुडु डुडुडुडु  
 The South Indian Bank Limited  
 NEELA SOUTH STREET, NAGAPATTINAM - 611 002  
 IFSC: SBI000052

Valid for three months only

1 7 0 6 2 0 1 8  
 D D M M Y Y Y Y

Pay **V.SRINIVASAN**

रुपये Rupee **TWO LAKHS ONLY**

वा धारक को or Bearer

अदा करें ₹ 2,00,000.00

A/c No. 0052053000107602

Chq No. : 01000400

For SOS CHILDRENS VILLAGES OF INDIA NAGAPATTINAM

A/c PAYEE ONLY

**SB PRIVILEGE**

AA1218 "Payable at all branches"

Authorized Signatory  
 Sr. Co-Worker/Finance Village Director

⑈000400⑈ 611059002⑈ 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam  
 Payable at : Principal EGS Pillay Engg.College, Nagapattinam  
 A/C Number : 0486 3600 0000 0198  
 Collection Details : Cheque  
 Date : 17.06.2018  
 Cheque Number : 000400  
 Amount : 2,00,000/-

**ACCOUNTS OFFICE**  
**EGS PILLAY ENGINEERING COLLEGE**  
**NAGAPATTINAM - 611 002.**



**SOS CHILDREN'S  
VILLAGES  
INDIA**

To

The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, Dec 11<sup>th</sup> 2018

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Second Payment

A/c Number	:	0052053000103871
Cheque No.	:	000797
Date	:	18.11.2018
Bank	:	South Indian Bank
Amount	:	2, 42,000/-

SOS Children's Village Nagapattinam.  
14, Bungalow Club Road,  
Kadambady,  
Nagapattinam-611001.  
Tel: +91-4365-248100  
www.soschildrensvillages.in

*V. Srinivasan*

*A. Bal*

**A loving home for every child**





दिलक्ष्मी इन्डियन बैंक लिमिटेड  
The South Indian Bank Limited  
NEELA SOUTH STREET, NAGAPATTINAM - 611 001  
IFSC: SIBL0000052

Valid for three months only

1 8 1 1 2 0 1 8  
D D M M Y Y Y Y

Pay **V.SRINIVASAN**

या धारक को or Bearer

रुपये Rupees **TWO LAKHS AND FOURTY TWO THOUSAND ONLY**

अदा करें ₹ 2,42,000.00

A/c.No. 0052053000103871

For SCS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

Chq No. : 01000797

A/c PAYEE ONLY

**SB PRIVILEGE**

*[Signature]*  
Sr. Co-Worker Finance Village Director  
Authorised Signatory

AA4218 " Payable at all branches "

⑈000797⑈ 6110590021 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam  
Payable at : Principal EGS Pillay Engg.College, Nagapattinam  
A/C Number : 0486 3600 0000 0198  
Collection Details : Cheque  
Date : 18.11.2018  
Cheque Number : 000797  
Amount : 2,42,000/-

*[Signature]*  
**ACCOUNTS OFFICE**  
EGS PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.



**SOS CHILDREN'S  
VILLAGES  
INDIA**

To  
The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, Apr 17<sup>th</sup> 2019

Sir,

I would like to express my greetings and wishes to Mr.V.Srinivasan our consultant for Newly constructed Retaining wall . We are very much satisfied with his solutions and the way he handled the problem, his approach towards the workers, material management and last but not least all out time and money had been saved by providing economical solutions yet everlasting solution. We are completely satisfied. As per our contract, I send a cheque for Rs. 7, 04,000/- towards consultation fee.

Payment details,

Third & Final Payment

A/c Number	:	0052053000103871
Cheque No.	:	000798
Date	:	02.04.2019
Bank	:	South Indian Bank
Amount	:	2, 62,000/-

SOS Children's Village Nagapattinam.  
4, Bungalow Club Road,  
Madambady,  
Nagapattinam-611001.  
Tel: +91-4365-248100  
www.soschildrensvillages.in

*V. Srinivasan*

*V. Srinivasan*

**A loving home for every child**



दिसाउम इन्डियन बैंक लिमिटेड  
The South Indian Bank Limited  
NEELA SOUTH STREET, NAGAPATTINAM - 611 001  
IFSC: SIBL0000057

Valid for three months only

0 2 0 4 : 2 0 1 9  
D D M M Y Y Y Y

Pay V.SRINIVASAN

या धारक को or Bearer

रुपये Rupee TWO AKHS AND SIXTY TWO THOUSAND ONLY

अदा करें ₹ 2,62,000.00

A/c. No. 0052053000103871

Chq No. : 01000798

For SOS CHILDRENS VILLAGES OF INDIA-NAGAPATTINAM

A/c PAYEE ONLY

SB PRIVILEGE

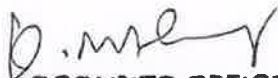
AA1218 " Payable at all branches "

Sr. Co-Worker: Finance Village Director

Authorised Signatory

⑈000798⑈ 611059002⑈ 999901⑈ 31

Bank Name : Lakshmi vilas Bank – Nagapattinam  
Payable at : Principal EGS Pillay Engg.College, Nagapattinam  
A/C Number : 0486 3600 0000 0198  
Collection Details : Cheque  
Date : 02.04.2019  
Cheque Number : 000798  
Amount : 2,62,000/-

  
ACCOUNTS OFFICE  
EGS PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.





**SOS CHILDREN'S  
VILLAGES  
INDIA**

THREE MONTHS PROGRESS REPORT

To  
The HOD,  
Department of civil Engineering,  
E G S Pillay Engineering College,  
Nagapattinam.

Nagapattinam, Mar 14<sup>th</sup> 2018

Sir,

S.No	DATE	MEMBERS	LOCATION	SIGNATURE
01	July 18' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
02	Sep 22' 2018	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>
03	Feb 15' 2019	V.Srinivasan	SOS Village, Nagai	<i>V. Bal</i>

1. We will test the quality the quality may become bad due to bad weather like rain storm, high wind etc. We will analyses the quality every three months after constructing the Retaining wall .
2. If required we will replace asphalt shingle due to wear and tear.
3. Periodically we will check the ventilation of to help prevent cracks and off of shingles.

SOS Children's Village Nagapattinam,  
Bungalow Club Road,  
Sambady,  
Nagapattinam-611001-  
+91-4365-248100  
www.soschildrensvillages.in

*V. Srinivasan*

*V. Bal*

**A loving home for every child**

EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.


DEPARTMENT OF CIVIL ENGINEERING

UTILIZATION CERTIFICATE

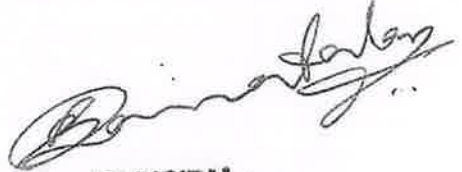
Name of the project	Retaining Wall
Name of the coordinators	V.Srinivasan
Name of the Agency	SOS Village, Nagapattinam
Type of Project	Consultancy Project
Duration	June 2018 – March 2019
Project cost	7,04,000 /-

This certificate is an acknowledgement of the expenditure incurred in executing the minor project mentioned above. The Accounts duly submitted to the R&D cell and verified by the principal.

Sl.No.	Itemized list of expenses incurred	Amount (Rs)
1	Project Construction and materials ( Rs. 2538.18 * 220 R.ft)	558400.00
2	Remuneration for two project coordinators(10 month*Rs.2000/Pm)*4	80000.00
3	Remuneration for technical Assistant(10 month*Rs.1000/Pm)*2	20000.00
4	Travel	20000.00
5	Institution over head(Including service tax, Education cuss, etc)	10000.00
6	Total expenses incurred	15600.00
7	Income generated through consultancy ( 1 + 7)	145600.00
		<b>704000.00</b>

  
Dr. R. SIVAKUMAR, M.B.A., M.E., Ph.D.  
Professor & Head,  
Department of Civil Engineering,  
E.G.S. PILLAY Engineering College,  
Nagapattinam.



  
PRINCIPAL  
E.G.S. Pillay Engineering College,  
Nagapattinam.



**E.G.S. PILLAY ENGINEERING COLLEGE,**

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

**VOUCHER**

Lab/WS: Consultant work - SOS.

Date: 22.06.18

Particulars	Rs.	Ps.
Paid to Thiru V. Srinivasan		
Towards Remuneration		
A sum of Rupees 20,000 (Twenty thousand only)	20,000	
	20,000	



*[Signature]*

*[Signature]*  
Accounts Subdt.  
Secretary  
E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.

*[Signature]*  
Principal

**E.G.S. PILLAY ENGINEERING COLLEGE,**

Nagapattinam - 611 002.

Dept: CIVIL

Vr. No.:

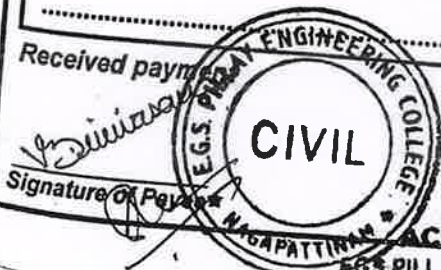
**VOUCHER**

Lab/WS: SOS - Consultancy work

Date: 22/11/18

Particulars	Rs.	Ps.
Paid to Thiru V. SRINIVASAN		
Towards REMUNERATION		
A sum of Rupees TWENTY THOUSAND ONLY	20,000	
	20,000	

Received payment



*[Signature]*  
Accounts Subdt.  
Secretary  
E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.

*[Signature]*  
Principal

# E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: Civil

Vr. No.:

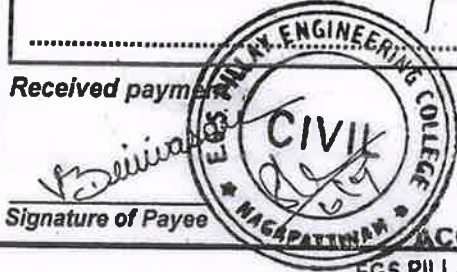
Lab/WS: SOS - Consultancy work

**VOUCHER**

Date: 6.4.18

Particulars	Rs	P
Paid to Thiru <u>V. Srinivasan</u>		
Towards <u>Remuneration</u>		
A sum of Rupees <u>Twenty thousand four hundred only</u>	20,400	
Received payment	20,400/-	

Signature of Payee



Accounts Supdt. Secretary

[Signature]

Secretary

Principal

[Signature]  
2/4/18

E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.

# E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept: Civil

Vr. No.:

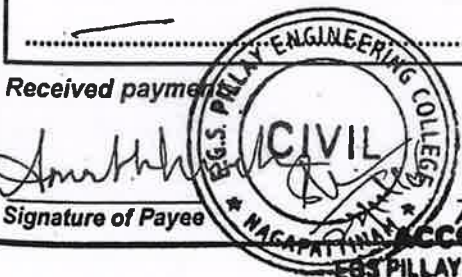
Lab/WS: SOS work.

**VOUCHER**

Date: 22.11.18

Particulars	Rs.	P.
Paid to Thiru <u>Amirthaganesu. Dord. civil (final)</u>		
Towards <u>Remuneration</u>		
A sum of Rupees <u>Ten thousand only</u>	10,000	00
Received payment	10,000	00

Signature of Payee



Accounts Supdt. Secretary

[Signature]

Secretary

Principal

[Signature]  
22/11/18

E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.



# E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

Dept : CIVIL

Vr. No.:

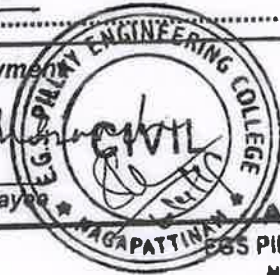
**VOUCHER**

Lab/WS : SOS - work.

Date : 6.4.19

Particulars	Rs.	Ps.
Paid to Thiru Anirudh ganesan P. Balaji		
Towards Remuneration		
A sum of Rupees Ten Thousand only	10,000	00
Received payment	10,000	00

*Anirudh ganesan P. Balaji*  
Signature of Payee



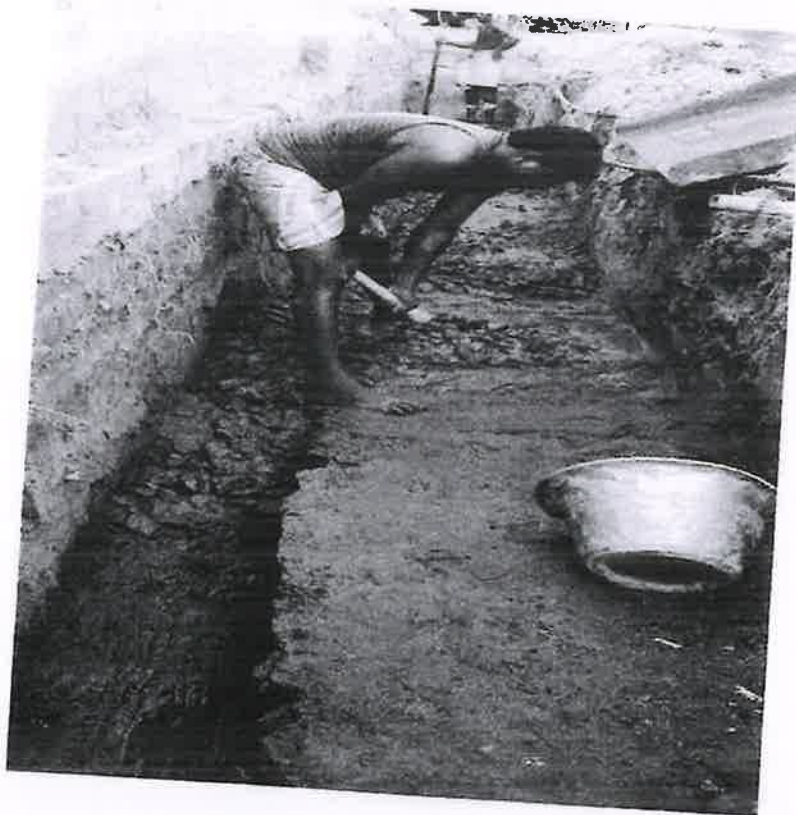
*D. M. V.*  
Accounts Supdt. Secretary

*[Signature]*  
Principal

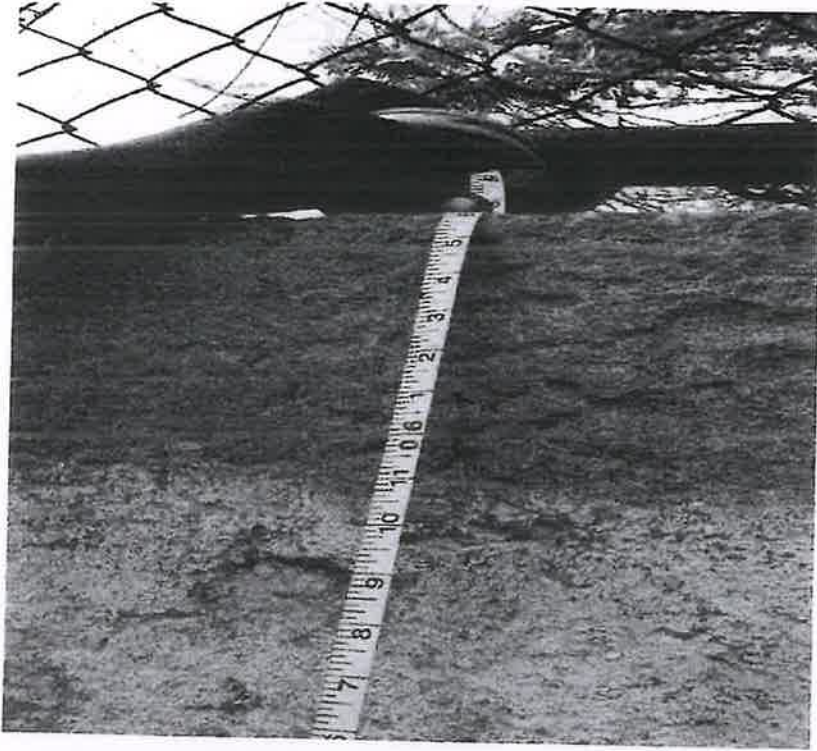
ACCOUNTS OFFICE  
E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.



RETAINING WALL EARTH WORK



RETAINING WALL PCC



TOTAL HEIGHT OF THE RETAINING WALL RCC



AFTER PCC REINFORCEMENT WORK



**E. G.S.PILLAY ENGINEERING COLLEGE**  
**NAGAPATTINAM - 611 002.**


**DEPARTMENT OF CIVIL ENGINEERING**

**CONSULTANCY (From Industry)**

018 - 2019

No	Name of the project	Customer Detail	Co-ordinator	Duration	Amount in Rs.
<b>Consultancy Work</b>					
	Pravadayan River	National Highways	Mr.V.Srinivasan	12 Months	45,000.00
	Combined Court building	PWD Karaikal	Mr.V.Srinivasan	12 Months	45,000.00
	L S Material testing	Karaikal, Nagapattinam	Mr.V.Srinivasan	12 Months	83,200.00
	Construction Materials Testing, Road Materials Testing and Steel	Ongc Limited - Neravy - Karaikal	Mr.V.Srinivasan	12 Months	1,28,600.00
				<b>TOTAL</b>	<b>3,01,800.00</b>



  
**HEAD OF THE DEPARTMENT**  
**Dept. of Civil Engineering**  
**E.G.S. Pillay Engg. College**  
**NAGAPATTINAM 611002**



**E.G.S. PILLAY ENGINEERING COLLEGE,**  
OLD NAGORE ROAD,  
NAGAPATTINAM, TAMIL NADU - 611002, INDIA  
Tel: 91-4365-251112, 251114 Fax: 91-4365-251114  
Email: principal.egspec@gmail.com Web: http://egspec.org

FORM NO. CW/F-01

Ref. No.  
EGSPEC/MPW/2018/CAPS/01

For Office Use Only

## Consultancy Assignment Proposal and Agreement Form

### PART-A

TITLE OF THE PROJECT (Kindly fill in BLOCK letters)

CONSTRUCTION MATERIAL TESTING, ROAD MATERIAL TESTING AND STEEL  
@ ONGC LIMITED - NERAVY - KARAİKAL

#### ASSIGNMENT INCHARGE

Name: V.SRINIVASAN Designation: ASST.PROFESSOR  
Department/Centre: CIVIL / EGSPEC NAGAI  
Telephone: Mobile: Email:

#### EXPECTED TIME SCHEDULE

Duration: Years Months Weeks Starting Date:  
Jun 2018 - May 2019 01 00 0 01/06/2018

#### CLIENT DETAILS (Kindly fill in BLOCK letters)

Firm's Name: M/s ONGC  
Address: NERAVY Contact Person's Name:  
Designation: SENIOR ENGINEER  
City: KARAİKAL Cell Fax Email

#### TOTAL CHARGES AND PAYMENT DETAILS

Mode of Payment: → By Cheque By Draft Telegraphic Transfer  
Currency: → Indian Rupees - YES Foreign → Country: Currency:  
Payment enclosed: → Full Payment Part Payment BY TEST BASIC

Total Value (in figures) Total Value (in words) Bank's Name and Branch :

DD/Cheque No. DD/Cheque Amount : DD/Cheque Date:

#### SCOPE OF THE CONSULTANCY (attach separate sheet, if necessary)

#### AGREEMENT BETWEEN CLIENTS

This agreement is subject to the Standard Terms and Conditions (Annexure) for undertaking projects at EGS Pillay Engineering College, Nagapattinam. Signatures of the client may be obtained and submitted on the Standard Terms & Conditions to acknowledge that he/she has gone through these and agrees to be bound by them.

Signature of the In-charge  
Date: 1.6.18



## PART - B

### DETAILS OF THE INCHARGE(S)

	Employee's Name	Designation	Department	Signature
CI:	Dr. R.Sivakumar	HOD	CIVIL	
Co-CI:	Mr.V.Srinivasan	AP	CIVIL	
Co-CI:	SENIOR ENGINEER	ONGC - SE	Consultancy Company	
Co-CI:				

### TYPE OF PROJECT (Please any one of the following)

**Type A:** Product/Process development and advice/report based on significant research and development.

**Type B\*\*:** Testing and Interpretation, Design Checking etc.

\*\*Head of the Dept. will decide, if the consultancy falls in the Type B category. In case of a doubt, Principal will decide the classification in consultation with the CI and the concerned Head of the Dept.

### TYPE OF THE CLIENT ORGANISATION (Please any one of the following)

Private Sector : YES

Public Sector

Govt. Sector

Foreign Organization

### BREAK UP OF TOTAL CHARGES

	Budget Head Description	Budget Code	Amount (Rupees)
(I)	<b>EXPENSES</b> Recurring/Non-Recurring (Salary/Cost of Labour, Honorarium to Staff/Outside Consultants, Travel, Contingency, Consumables, Equipments, Materials, etc.)	<b>EXPENSES</b>	104000.00
(II)	<b>FEE FOR SCIENTIFIC &amp; TECHNICAL ADVICE</b>	<b>FEESTA</b>	12000.00
(III)	<b>INSTITUTE CHARGES</b> (Type A: 10% of (I) + 50% of (II), Type B: 10% of (I) + 100% of (II))	<b>INSTOHS</b> (8000+6000)	12600.00
(IV)	<b>TOTAL CHARGES (I+II+III)</b>		<b>128600.00</b>
(V)	<b>SERVICE TAX @ 12% OF IV(Total Charges)</b>		
(VI)	<b>EDUCATION CESS @ 3% OF V(Service Tax)</b>		3858.00
(VII)	<b>GROSS AMOUNT (IV+V+VI)</b>		<b>132458.00</b>

Signature of HoD

**HEAD OF THE DEPARTMENT**  
**Dept. of Civil Engineering**  
**E.G.S. Pillay Engg. College**  
**NAGAPATTINAM 611002**



Signature of the In-charge

Date: 1: 6: 12



ANNEXURE

FORM NO.CW/F-02 (CONSULTANCY FO



**E.G.S. PILLAY ENGINEERING COLLEGE,**

**OLD NAGORE ROAD,  
NAGAPATTINAM, TAMIL NADU - 611002, INDIA**

Tel: 91-4365-251112, 251114 Fax: 91-4365-251114

Email: principal.egspec@gmail.com Web: http://egspec.org

**STANDARD TERMS AND CONDITIONS OF CONTRACT**

Title of the Consultancy Job: CONSTRUCTION MATERIAL TESTING , ROAD MATERIAL TESTING AND STEEL

Name & Address of the Client: ONGC / SE / NERAVY/ KARAIKAL

Name and Dept. of the In-charge:

V.Srinivasan , AP/Civil , EGSPEC, Nagai.

The Institute through the CI/Co-CI will plan the Project in consultation with the Client. These terms and conditions govern projects for the development of products, processes, field studies, model studies, calculations, economic and technical consulting and other forms of project of specific interest to the client. The conditions are binding unless otherwise agreed upon in a separate signed document.

- 1. DECLARATION:** All work undertaken by the Consultant In-charge (CI)/Co-Consultant In-charge (Co-CI) at EGS Pillay Engineering College, Nagapattinam (EGSPEC, Nagai) as part of the project will be in good faith and based on material/data/other relevant information given by the client requesting for the work.
- 2. RESPONSIBILITY/LIABILITY:** The Institute through CI/Co-CI undertakes to carry out the project as conscientiously as conditions allow, but accepts no economic responsibility whatsoever, should the work not lead to expected results. EGSPEC, Nagai shall not be held liable for any loss, damage, delay or failure of performance, resulting directly or indirectly from any cause, which is beyond its reasonable control (Force Majeure). The liability of EGSPEC, Nagai shall be limited to the funds received for the project.
- 3. DISCRETION:** The Institute through CI/Co-CI undertakes to handle with discretion reports, results, the identity of the Client and all material specifically treated/marked confidential which the client places at the disposal of the CI/Co-CI in connection with the project at EGSPEC, Nagai, subject to Right to Information rules/regulations.
- 4. SUB-CONTRACTING:** The Institute reserves the right to allow any work in connection with the project, experimental or otherwise, to be carried out by a third party as per Institute norms and procedures, provided this does not result in the danger of information of a confidential nature coming into the hands of unauthorized persons.
- 5. RESULT OF THE PROJECT:** The results of all work done at the Institute by the CI/Co-CI in connection with the project, incorporated in written reports shall remain the property of the Client. Results arrived at with little or no involvement on the part of the Client are available free of charge for the Client's own use. However, the CI/Co-CI/Institute reserves the right to use such results in connection with activities outside the scope of the project. If the Client consists of several individuals, all questions of Client rights between the Clients must be settled between such individuals, and are of no concern to the CI/Co-CI/Institute. Unless otherwise agreed, all reports are to be sent to the Client. The CI/Co-CI/Institute has the right to retain a copy.





6. **INTELLECTUAL PROPERTY RIGHTS:** All rights pertaining to any intellectual property generated/ created/invented in the due course of the project. will be the joint property of EGSPEC, Nagai and the Client. Terms and conditions regarding transferring/assigning/selling these rights to the Client shall be governed by a separate written agreement if required.
7. **PUBLISHING THE RESULTS/OUTCOME OF THE CONSULTANCY:** The results/outcome of the consultancy shall not be exploited by the Client organization for its business interests by using EGSPEC, Nagai's name/logo through press advertisement/publicity material or in any other manner. Manuscripts of academic papers, brochures, advertisements or other form of published material which refer to or quote the proprietary results of the project shall be vetted by both parties before publication.
8. **COMMUNICATION OF RESULTS TO A THIRD PARTY:** The CI/Co-CI may not, without the written agreement of the Client, communicate the results of the project to a third party. The Client shall arrange the necessary written agreement of all parties on the Client's side who may have publication rights with respect to the project.
9. **PROJECTS FOR OTHER CLIENTS:** The Institute may undertake other projects in the same field provided – to the best of its knowledge and belief – there exists no danger of information of a confidential nature coming into hands of a third party.
10. **APPARATUS:** Instruments and/or equipment obtained in connection with the project and charged to the client remain the property of EGSPEC, Nagai, unless otherwise it is specifically agreed to by the Institute.
11. **TERMINATION OF THE PROJECT:** The Client has a right to terminate the project at any time, but shall be liable for all reasonable expenses incurred in connection with halting work already in progress according to the agreed work programme. The decision of EGSPEC, Nagai shall be final as far as reasonableness of the expenses is concerned. The Institute has also the right to terminate the project at any time except where otherwise agreed upon. The Client in this case will not be liable for any expenses incurred after the termination.
12. **PAYMENT:** The payment of consultation charges to EGSPEC, Nagai are to be made in advance and in full before the start of the project, through a demand draft/crossed valid cheque drawn in favour of the Principal, EGS Pillay Engineering College, Nagapattinam and sent to the Consultant. The charges will also include any applicable tax as prescribed by the Government of India or the Government of Tamil Nadu (or any other statutory body) from time to time.
13. **DISPUTES:** In the event of any dispute or difference between the parties hereto, such dispute or differences shall be resolved amicably by mutual consultation. If such resolution is not possible, then the unresolved dispute or difference shall be referred to a sole arbitrator to be nominated by the Director of the Institute for a reasoned Award. The seat of arbitration shall be within the campus of EGSPEC, Nagai and the language of arbitration shall be English. The Award of the arbitrator shall be binding on the parties to the dispute.
14. **DISCLAIMER:** The report on the consultancy project is the technical opinion of the CI/Co-CI based on his/their expertise in the particular area of research and in no way reflects the view(s) of EGSPEC, Nagai. EGSPEC, Nagai is not responsible for the accuracy or completeness of the report and the role of the Institute is limited to providing administrative support to the project.
15. **SERVICE TAX:** As per Service Tax Act of G.O.I., the service tax plus education cess will be levied on total consultancy charges and this amount is to be borne by the Client (The Service Tax applicable today is 12.36%).

V.Srinivasan



Name & Signature of Incharge

Date:01/06/2018

Place:

NAGAPATTINAM

(with office seal)



Name & Signature of Client

(with office seal)

HEAD OF THE DEPARTMENT  
 Dept of Civil Engineering  
 G.A. Pillay Engg. College  
 NAGAPATTINAM - 611002



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 07.06.2019

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi  
Village in Nagapattinam- Dist.**

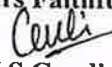
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	31.05.2019	Pile Concrete	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvarur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,  
  
(M.S.Gandhi)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 10.06.2019

To

The Principal,  
EGS Pillai Engineering College.  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi  
Village in Nagapattinam- Dist.**

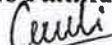
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	03.06.2019	Pile Concrete	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the **Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvarur- Dist, Pin – 609 405.**

Thanking You,

Yours Faithfully,  
  
(M.S.Gandhi)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 01.08.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing foundation for oil Tank, Repair of Patrolling Track and  
Approach Road of KN#3 EPS, Koradacherry.

Agency: Shri. G.Uthirapathy.

Sir.

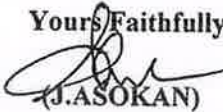
Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 cubes of 150x150x150 mm size	24.07.2018	Patrolling Track	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(J.ASOKAN)  
SE (Civil)



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 15.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Fire Shed, Store, Open Store yard and others Misc.  
Civil Works at NRM GGS, Narimanam Area, Nagapattinam Dist.

Agency: Shri. S.Ramesh, Pulavanallur, Goparajapuram post, Nagapattinam Dist.

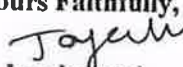
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:2:4 – 3 Nos	12.06.2018	NRM FS – C25	28 <sup>th</sup> Day
2	CC 1:2:4 - 3 Nos	12.06.2018	NRM FS – C26	28 <sup>th</sup> Day
3	CC 1:2:4 - 3 Nos	12.06.2018	NRM FS – C27	28 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,  
  
(T.Jayakumar)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/709

DATE: 15.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Open Platform for Heavy Materials and bay elevated platform at KKL # XI, Neravy, Karaikal

Agency: M/S Sri Balaji Builders, 19 Rama MADA street, Velippalayam, Nagapattinam – 611 001

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos.	12.06.2018	Plat Form 3	28 <sup>th</sup> Day
2	CC 1:1.5:3 - 3 Nos	12.06.2018	Plat Form 4	28 <sup>th</sup> Day
3	CC 1:1.5:3 - 3 Nos	12.06.2018	Plat Form 5	28 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(N.Panneer selvam)

SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/348

DATE: 25.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Providing civil works at KPEA drill site in Thiruvarur District**

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:2:4 – 3 Nos	28.06.2018	KPEA – RL1	28 <sup>th</sup> Day
2	CC 1:2:4 - 3 Nos	28.06.2018	KPEA – RL2	28 <sup>th</sup> Day
3	CC 1:2:4 - 3 Nos	28.06.2018	KPEA – RL3	28 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(K. Ram Mohan)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 10.08.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Providing civil works at KMP EPS**

**Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309**

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT1	28 <sup>th</sup> Day
2	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT2	28 <sup>th</sup> Day
3	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT3	28 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(K. Ram Mohan)

SE (Civil)



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 19.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Providing civil works at KMP EPS**

**Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309**

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT1	7 <sup>th</sup> Day
2	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT2	7 <sup>th</sup> Day
3	CC 1:1.5:3 – 3 Nos	12.07.2018	KMP – OT3	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the **Agency**.

Thanking You,

Yours Faithfully,

(K. Ram Mohan)

SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 12.08.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	28 <sup>th</sup> Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	28 <sup>th</sup> Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	28 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(K. Ram Mohan)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 21.08.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,

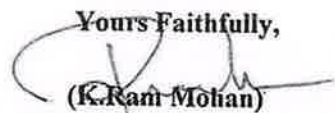
Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	7 <sup>th</sup> Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	7 <sup>th</sup> Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(K. Ram Mohan)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 21.08.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

**Name of Work: Providing civil works at KMP EPS**

**Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309**

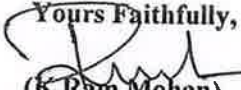
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark	Tests to be conducted
1	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT13	7 <sup>th</sup> Day
2	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT14	7 <sup>th</sup> Day
3	CC 1:1.5:3 – 3 Nos	14.07.2018	KMP – OT15	7 <sup>th</sup> Day

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the **Agency**.

Thanking You,

Yours Faithfully,  
  
(K. Ram Mohan)  
SE (Civil)



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 07.06.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

**Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi  
Village in Nagapattinam- Dist.**

Sir,

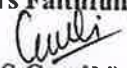
Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Test	Identification Mark
1	MTS Steel – 8mm , 12 mm, 16mm – 6 Sets	07.06.2018	Pile Concrete

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvavur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,

  
(M.S.Gandhi)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 10.06.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

Name of Work: Construction of compound wall at TVR – 6 EPS at Kadambangudi  
Village in Nagapattinam- Dist.

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE(Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of test	Identification Mark
1	MTS Steel – 8mm, 12mm, 16mm – 6 sets	10.06.2018	Pile Concrete

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Shri.G.Uthirapathy, vastharajapuram, 11-Alathur po, Peralam – via, Kudavasal – Tk, Thiruvapur- Dist, Pin – 609 405.

Thanking You,

Yours Faithfully,

*C. S. Gandhi*  
(M.S.Gandhi)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 24.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Steel Test

Name of Work: Providing foundation for oil Tank,

Agency: Shri. G.Uthirapathy.

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	MTS Steel – 8mm, 10mm, 12mm, 16mm – 6 sets	24.07.2018	Patrolling Track

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(J. ASOKAN)

SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -18

DATE: 25.06.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Steel Test– Reg.

Name of Work: Providing foundation for oil Tank,

Agency: Shri. G.Uthirapathy.


Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 1
2	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 2
3	Sail – TMT – 8mm,12mm,16mm – 1set	25.06.2018	KUT – P - 3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,  
  
(VPD BHARALI)  
SE (Civil)



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19

DATE: 12.06.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Sail steel Test– Reg.

**Name of Work: Construction of Fire Shed, Store, Open Store yard and others Misc.  
Civil Works at NRM GGS, Narimanam Area, Nagapattinam Dist.**

**Agency: Shri. S.Ramesh, Pulavanallur, Goparajapuram post, Nagapattinam Dist.**

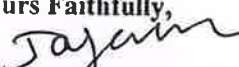
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C25
2	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C26
3	Sail Steel – 8mm, 12mm, 16mm – 1 set	12.06.2018	NRM FS – C27

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,  
  
(T. Jayakumar) f7  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/ 2018 -19/709

DATE: 12.06.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Test of Concrete cubes – Reg.

Name of Work: Construction of Open Platform for Heavy Materials and bay elevated platform at KKL # XI, Neravy, Karaikal

Agency: M/S Sri Balaji Builders, 19 Rama MADA street, Velippalayam, Nagapattinam – 611 001

Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited, Neravy, Karaikal – 609 604

Sl.No	Description	Date of Cast	Identification Mark
1	Sail-TMT- 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 3
2	Sail-TMT- 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 4
3	Sail-TMT 8mm,12mm,16mm – 1 set	12.06.2018	Plat Form 5

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

(N.Panneer selvam)

SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 19.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Sail TMT steelTest– Reg.

**Name of Work: Providing civil works at KMP EPS**

**Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309**

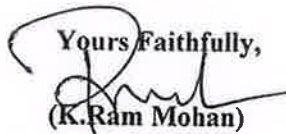
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cut	Identification Mark
1	TMT-8mm,10mm,12mm – 1 Set	12.07.2018	KMP – OT1
2	TMT – 8mm,10mm,12mm – 1 set	12.07.2018	KMP – OT2
3	TMT – 8mm,10mm,12mm – 1 set	12.07.2018	KMP – OT3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

**Thanking You,**

Yours Faithfully,  
  
(K.Ram Mohan)  
SE (Civil)

**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 12.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Sail TMT Fe 500 Test- Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

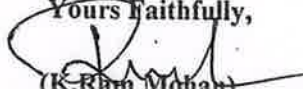
Sir,

Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited,

Sl.No	Description	Date of Cast	Identification Mark
1	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT1
2	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT2
3	Sail TMT Fe 500 8mm, 10mm, 12mm, 16mm – 1 set	12.07.2018	KMP – OT3

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,  
  
(K. Ram Mohan)  
SE (Civil)



**OIL AND NATURAL GAS CORPORATION LIMITED**  
**CAUVERY ASSET**

Office of the DGM (Civil)-I/c Civil, Civil Engineering Section, Neravy Complex, Karaikal – 609 604  
Tel.: 04368 – 238139(Extn. 5411), Fax: 04368 – 238126

No.ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12099)/ 2018 -19/testing

DATE: 14.07.2018

To

The Principal,  
EGS Pillai Engineering College,  
Nagapattinam – Dist.

Sub.: Steel Test – Reg.

Name of Work: Providing civil works at KMP EPS

Agency: M/S Nandha Constructions, 1/280-1 Thiruvalluvar Street, Sembanarkoil- 609 309

Sir,


Please find herewith samples of concrete cubes for the purpose of compression test. The test may please be conducted and the test report be sent as early as possible to the address of SE (Civil), ONGC Limited.

Sl.No	Description	Date of Cast	Identification Mark
1	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT13
2	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT14
3	TMT-Sail 500 8mm, 10mm, 12mm, 16mm – 1set	14.07.2018	KMP – OT15

Also please make necessary arrangements for curing and handling of materials in your laboratory as per relevant IS code before test. Necessary fee test shall be paid by the Agency.

Thanking You,

Yours Faithfully,

  
(K. Ram Mohan)  
SE (Civil)



# E. G.S. PILLAY ENGINEERING

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institute)

(Approved by AICTE, New Delhi, Approved by Government)

(Affiliated to Anna University Chennai)

## Consultancy services

(Department of Civil Engineering)

No. EGSPEC -009 - 1907 - 21748

Ph: 251112, 251114



**E.G.S. PILLAY ENGINEERING COLLEGE**

Nagapattinam - 611 002

Receipt No.: M 6932

Date: 19.7.18

Name: ONAC - Navy Kavarai

Roll No./Reg. No.: Branch:

Semester/Duration:

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee	900	00
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900</b>	<b>00</b>

In words Rs. Nine hundred only

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





# E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

C.No. EGSPEC -009 - 1907 - 21748

Date: 19.07.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting : 12.07.18

Tested on : 19.07.18

Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 <sup>th</sup> Day			
	Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
1	350	15.56	15.56 N/mm <sup>2</sup>
2	350	15.56	
3	350	15.56	

*[Signature]*  
Supervised by



*[Signature]*  
HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM - 611002

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

F.No. EGSPEC -009 - 1907 - 21748

Date: 19.07.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi  
 Village in Nagapattinam- Dist.  
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VCIC12103)/18-19  
 Date of Casting : 12.07.18  
 Tested on : 19.07.18  
 Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 <sup>th</sup> Day			
	Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
1	350	15.56	15.56 N/mm <sup>2</sup>
2	350	15.56	
3	350	15.56	

*[Signature]*  
Supervised by



~~HEAD OF THE DEPARTMENT~~  
 Dept. of Civil Engineering  
 E.G.S. Pillay Engg. College  
 NAGAPATTINAM - 611002

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- Materials were supplied by the job requester.





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(Affiliated to Anna University Chennai)

## Consultancy services (Department of Civil Engineering)

No. EGSPCC -018 - 1008 - 21762

### TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
Nagapattinam - 611 002

Receipt No.: **M96969** Date: **10.8.18.**

Name: **Abdul Kariem**

Roll No./Reg. No.: \_\_\_\_\_ Branch: \_\_\_\_\_

Semester/Duration: \_\_\_\_\_

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900</b>	<b>00</b>

In words Rs. **Nine hundred only.**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

TVR - 6 EPS at Kadam  
3M(C)/T(VC1CC12103)

Concrete - M20

Day	
m <sup>2</sup>	Average Strength
	21.48 N/mm <sup>2</sup>

TEACHER IN CHARGE  
Dept. of Civil Engg.  
E.G.S. Pillay Engineering College  
NAGAPATTINAM



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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -018 - 1008 - 21762

Date: 10.08.18


### TEST CERTIFICATE ON CONCRETE CUBE

INNOVATIVE PRESENTATION POSTER VIDEOS	No	Name of Work	: Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.
		Requested by	: SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19
		Date of Casting	: 12.07.18
		Tested on	: 10.08.18
		Size of Sample	: size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 <sup>th</sup> Day		
	Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
1	485	21.56	21.48 N/mm <sup>2</sup>
2	485	21.56	
3	480	21.33	

  
Supervised by



  
HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E. G. S. Pillay Engg. College  
NAGAPATTINAM 611002

- Notes:
1. Any correction without attestation will invalidate this certificate
  2. Materials were supplied by the job requester.





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**Consultancy services**  
 (Department of Civil Engineering)

No. EGSPEC -011- 1208 - 21763

Name of Work :

**TEST CERTIFICATE ON CONCRETE CUBE**  
**Construction of compound wall at TVR - 6 EPS at**  
**Village in Nagapattinam- Dist.**

Requested by :

**SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC100**

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
 Nagapattinam - 611 002

Receipt No.: **M96968** Date: **2.1.18.**

Name: **D. N. K. Kanikant**

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900</b>	<b>00</b>

*Material*  
*7 mi*  
*Cube*  
*etc.*

In words Rs. **Nine Hundred only.**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

le Concrete - M20

Day	Average
	20.81

TEACHING  
 Dept. of C  
 E.G.S. P  
 NAGAPATTINAM



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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -011- 1208 - 21763

Date: 12.08.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting : 14.07.18


Tested on : 12.08.18

Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 <sup>th</sup> Day		
	Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
1	460	20.44	20.81 N/mm <sup>2</sup>
2	480	21.33	
3	465	20.66	

Supervised by 



  
 TEACHER IN THE DEPARTMENT  
 Dept. of Civil Engineering  
 E. G. S. Pillay Engg. College  
 NAGAPATTINAM 611002

- Notes:
- Any correction without attestation will invalidate in this certificate
  - Materials were supplied by the job requester





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(Affiliated to Anna University Chennai)

## Consultancy services (Department of Civil Engineering)

E.No. EGSPEC -012 - 2108 - 21775

### TEST CERTIFICATE ON CONCRETE CUR

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
Nagapattinam - 611 002

Receipt No.: M96966 Date 21.2.18

Name: M. S. Senthil Kumar

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		900	00

In words Rs. Nine Hundred only.

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

at TVR -  
DGM(C)/  
KMP OT

7<sup>th</sup> Day  
(mm<sup>2</sup>)



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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

f.No. EGSPEC -012 - 2108 - 21775

Date: 21.08.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Work : Construction of compound wall at TVR - 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Cast by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Casting : 14.07.13


Tested on : 21.08.13

Size of Sample : size 150 x 150 x 150 mm, KMP OT 13, 14 ,15 - M20

Compressive Strength on 07 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
380	16.89	17.11 N/mm <sup>2</sup>
385	17.11	
390	17.33	

Supervised by 



  
 HEAD OF THE DEPARTMENT  
 Head of the Dept.  
 Dept. of Civil Engineering  
 E. G. S. Pillay Engg. College  
 NAGAPATTINAM 611002

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





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 NAGAPATTINAM - 611 002.  
 (An ISO 9001:2008 Certified Institution)  
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 (Affiliated to Anna University Chennai)

**Consultancy services**  
 (Department of Civil Engineering)

No. EGSPEC -008 - 2507 - 21760

**TEST CERTIFICATE ON CONCRETE CUBES**

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
 Nagapattinam - 611 002

Receipt No.: **M96959** Date: **25.7.12**

Name: **ORUC Kamile**

Roll No./Reg. No.: \_\_\_\_\_ Branch: \_\_\_\_\_

Semester/Duration: \_\_\_\_\_

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900 00</b>	

In words Rs. **Nine Hundred only**

For Principal

all at TVR - 6  
 ist.  
 ES/DGM(C)/T

m, KPEA- RL 1

on 28<sup>th</sup> Day

th (N/mm <sup>2</sup> )	
1.33	
1.33	
1.77	

- NOTE: This Receipt should be produced for verification as an when demanded by the office.
- Any correction without attestation will not be accepted.
  - Materials were supplied by the job requester.



TEA  
 Dept  
 S.O.  
 NAG



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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC -008 - 2507 - 21760

Date: 25.07.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.  
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19  
 Date of Casting : 28.06.18  
 Date of Test : 25.07.18  
 Size of Sample : size 150 x 150 x 150 mm, KPEA- RL 1 2 3 – M20

Compressive Strength on 28 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
480	21.33	21.48 N/mm <sup>2</sup>
480	21.33	
490	21.77	

Supervised by

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.



Head of the Department  
 Dept. of Civil Engineering  
 E. G. S. Pillay Engg. College  
 NAGAPATTINAM 611002





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(Affiliated to Anna University Chennai)

## Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC -007- 2507 - 21754

### TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114  
**E. G. S. PILLAY ENGINEERING COLLEGE**  
 Nagapattinam - 611 002

Receipt No.: M96946 Date: 25.7.18

Name: *M. N. S. Senthil*

Roll No./Reg. No.: \_\_\_\_\_ Branch: \_\_\_\_\_

Semester/Duration: \_\_\_\_\_

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900</b>	<b>00</b>

*9000 only*  
*day*  
*Cube test*

In words Rs. *Nine Hundred only*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

1 at TVR - 6 E  
3/DGM(C)/T(V

, Pile Concrete

28<sup>th</sup> Day

(N/mm <sup>2</sup> )
44
33
66





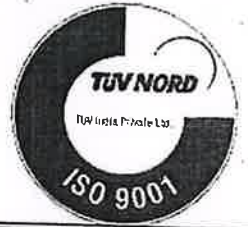
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## Consultancy services (Department of Civil Engineering)

Ref.No. EGSPEC -007- 2507 - 21754

Date: 25.07.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work :

Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by :

SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Date of Casting :

28.06.18

Tested on :

25.07.18

Details of Sample :

size 150 x 150 x 150 mm, Pile Concrete – M20

No	Compressive Strength on 28 <sup>th</sup> Day		
	Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
1	460	20.44	20.81 N/mm <sup>2</sup>
3	480	21.33	
	465	20.66	

Supervised by



HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM 611002

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





# E. G.S. PILLAY ENGINEERING COLLEGE

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## Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC - 013 - 0706 - 21712

Name of Work :

**TEST CERTIFICATE ON STEEL REINFORCEMENT**  
Construction of compound wall at TVR - 6 EPS at

Ph: 251112, 251114  
**E.G.S. PILLAY ENGINEERING COLLEGE**  
 Nagapattinam - 611,002

Receipt No.: M 96917 Date: 7.6.18

Name: *O.D.C. Pravin*

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

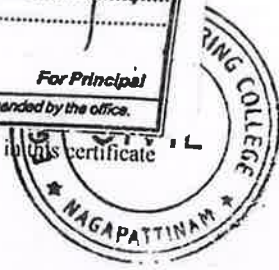
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine <i>Steel</i>		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee <i>Dist.</i>	8000	00
10.	Identity Card		
11.	Library Card <i>4 Type</i>		
12.	Others <i>8mm, 10, 12, 16</i>		
<b>TOTAL</b>		<b>8000</b>	<b>00</b>

In words Rs. *Eight thousand only.*

NOTE: This Receipt should be produced for verification as and when demanded by the office.  
 For Principal

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.

Tensile strength	Yield strength
mm <sup>2</sup>	N/mm <sup>2</sup>
88.33	428
	426
	428
	426
195.66	424
	425
496	420
	422
	425
493	420
	422
	420



HEAD OF DEPT.  
 Dept. of C.E.  
 E.G.S. PILLAY  
 NAGAPATTINAM



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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC - 013 - 0706 - 21712

Date: 07.06.2018

### TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work : Construction of compound wall at TVR - 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Tested on : 07.06.18

Details of Sample : (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		500	
3	0.42		15.80		490		428		44 mm	500 N/mm <sup>2</sup>
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	70	0.2%
2	0.615		14.80		493		424		500	
3	0.617		14.95		498		425		78 mm	500 N/mm <sup>2</sup>
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500	
3	0.888		14.75		498		425		52 mm	500 N/mm <sup>2</sup>
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500	
3	1.578		14.25		495		420		66 mm	500 N/mm <sup>2</sup>

Supervised by



HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM 611002

- Any correction without attestation will invalidate this certificate
- Materials were supplied by the job requester.





# E. G.S. PILLAY ENGINEERING COLLEGE NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)  
(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)  
(Affiliated to Anna University Chennai)

## Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date

Name of Work

**TEST CERTIFICATE ON STEEL REINFORCEMENT**  
: Construction of toilet block for ladies and gents at the junction side inner ring road & Nalatheertham road, Thirunallar.

Requester



**E.G.S. PILLAY ENGINEERING COLLEGE**

Nagapattinam - 611 002

Ph: 251112, 251114

Committee

Receipt No.: **M96964**

Date: **1.2.18**

Name: **D. P. L. Karim**

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee	8,10,12,16	8000 00
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>			

In words Rs. **Eight Thousand only**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.



Tensile strength	Yield strength	Avg. Yield
nm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>
428		
426		427
428		
426		
424		425
425		
420		
422		422.5
425		
420		
422		420.6
420		

HEAD OF DEPT  
Dept. of Civil  
E.G.S. Pillay  
NAGAPATTINAM



# E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)  
(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date: 04.02.2018

### TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work

: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Requester's Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Issued on

: 04.02.2018

Material of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>		
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426			
3	0.42		15.80		490		428			
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	44 mm	N/mm <sup>2</sup>
2	0.615		14.80		493		424		70	0.2%
3	0.617		14.95		498		425		78 mm	500
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500	
3	0.888		14.75		498		425		52 mm	N/mm <sup>2</sup>
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500	
3	1.578		14.25		495		420		66 mm	N/mm <sup>2</sup>

Supervised by



Head of the DEPARTMENT  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM 611002

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(Affiliated to Anna University Chennai)

## Consultancy services

(Department of Civil Engineering)

Ref. No. EGSPC - 402 - 0402 - 2018

Date:

Name of Work

### TEST CERTIFICATE ON STEEL REINFORCEMENT

: Construction of toilet block for ladies and gents at the junction side inner ring road & Nalatheertham road, Thirunallar.

Monitoring Committee

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
Nagapattinam - 611 002

Receipt No.: **M95519** Date: 4.2.18

Name: On the certificate

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No	PARTICULARS	Rs	Ps
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage	8000 00	
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>8000 00</b>	

In words: Eight thousand only.

For Principal's  
Signature

NOTE: This Receipt should be produced for verification as per when v...

Avg. Ult. Tensile strength	Yield strength	Avg. Yield
N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>
488.33	428	427
	426	
	428	
	426	
495.66	424	425
	425	
	420	
496	422	422
	425	
	420	
493	422	420
	420	



TEACHER  
Dept. of C  
E.G.S. PILLAY  
NAGAPATTINAM

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- Materials were supplied by the job requester.



# E. G.S. PILLAY ENGINEERING COLLEGE

## NAGAPATTINAM - 611 002.

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 (Affiliated to Anna University Chennai)

### Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 2018

Date: 4.2.18

**TEST CERTIFICATE ON STEEL REINFORCEMENT**  
 : Construction of toilet block for ladies and gents at the junction  
 side inner ring road & Nalatheertham road, Thirunallar.

Monitoring Committee

<b>E.G.S. PILLAY ENGINEERING COLLEGE</b>		Nagapattinam - 611 002	
Receipt No.: <b>M95519</b>		Date: 4.2.18	
Name: <i>On the University</i>			
Roll No./Reg. No.:		Branch:	
Semester/Duration:			
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage <i>Steel</i>	8000	00
8.	Application Fee		
9.	Transport Fee <i>Test</i>		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>8000</b>	<b>00</b>
In words Rs. <i>Eight Thousand only.</i>			
		For Principals	

Avg. Ult. Tensile strength	Yield strength	Avg. Yield
N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>
488.33	428	427
	426	
	428	
	426	
495.66	424	425
	425	
	420	
496	422	422
	425	
	420	
493	422	420
	420	

NOTE: This Receipt should be produced for verification as & when required by the office.

1. Any correction without attestation will invalidate this certificate  
 2. Materials were supplied by the job requester.



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 Dept. of CIVIL  
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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSP/EC - 402 - 0402 - 2018

Date: 04.02.2018

### TEST CERTIFICATE ON STEEL REINFORCEMENT

Work : Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by : Assistant Engineer, Technical Monitoring Committee

Client's Letter No : AE (TMC)/SDSD/TNR/2018 - 2019

Tested on : 04.02.2018

Details of Sample : (TMT) of SAIL

Dia. in mm	Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
		Kg/m	Kg/m	%	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	IS 1786 : 2008	
8	1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
	2	0.43		15.90		490		426		500	
	3	0.42		15.80		490		428		44 mm	N/mm <sup>2</sup>
10	1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	70	0.2%
	2	0.615		14.80		493		424		500	
	3	0.617		14.95		498		425		78 mm	N/mm <sup>2</sup>
12	1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
	2	0.888		14.65		495		422		500	
	3	0.888		14.75		498		425		52 mm	N/mm <sup>2</sup>
16	1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
	2	1.578		14.15		495		422		500	
	3	1.578		14.25		495		420		66 mm	N/mm <sup>2</sup>

Supervised by



TEACHER IN THE DEPARTMENT  
Dept. of Civil Engineering  
E. G. S. Pillay Engg. College  
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 (Affiliated to Anna University Chennai)

**Consultancy services**  
 (Department of Civil Engineering)

Ref.No. EGSPEC - 402 - 0402 - 20181

**TEST CERTIFICATE ON STEEL REINFORCEMENT**

Work: Construction of toilet block for ladies and gents at ...  
 m road, Thiruvallur District, Tamil Nadu  
 Engineering Comm



**E.G.S. PILLAY ENGINEERING COLLEGE**

Ph: 251112, 251114

Nagapattinam - 611 002

Receipt No.: **M95917**

Date: **4.2.18**

Name: **Omne Karthikeyan**

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>8000.00</b>	

*Steel Test*

*8000.00*

In words Rs. **Eight Thousand only**

NOTE: This Receipt should be produced for verification as and when demanded by the office.

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## Consultancy services (Department of Civil Engineering)

No. EGSP-402 - 0402 - 20181

Date: 04.02.2018

### TEST CERTIFICATE ON STEEL REINFORCEMENT

Name of Work

: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Tested on

: 04.02.2018

Details of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		500	
3	0.42		15.80		490		428		44 mm	N/mm <sup>2</sup>
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	70	0.2%
2	0.615		14.80		493		424		500	
3	0.617		14.95		498		425		78 mm	N/mm <sup>2</sup>
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500	
3	0.888		14.75		498		425		52 mm	N/mm <sup>2</sup>
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500	
3	1.578		14.25		495		420		66 mm	N/mm <sup>2</sup>

Supervised by



Head of the Dept  
HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E. G. S. Pillay Engg. College  
NAGAPATTINAM 611002

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## Consultancy services (Department of Civil Engineering)

Ref. No. EGSPEC - 402 - 0402 - 20119

Name of Work

### TEST CERTIFICATE ON STEEL REINFORCEMENT

Ph: 251112, 251114

and gents at the junction of road, Thirunallur Engineering Committee



**E.G.S. PILLAY ENGINEERING COLLEGE**

Nagapattinam - 611 002

Receipt No.: **M95517**

Date: 4.2.17

Name: *Dr. M. S. Senthil Kumar*

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>800.00</b>	

*Steel 800000*

In words Rs. *Eight Hundred only.*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.



HEAD OF DEPT.  
Dept. of CIVIL  
E.G.S. PILLAY  
NAGAPATTINAM

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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC - 402 - 0402 - 20119

Date: 04.02.2018

Name of Work

**TEST CERTIFICATE ON STEEL REINFORCEMENT**  
: Construction of toilet block for ladies and gents at the junction of northern side inner ring road & Nalatheertham road, Thirunallar.

Requested by

: Assistant Engineer, Technical Monitoring Committee

Requester's Letter No

: AE (TMC)/SDSD/TNR/2018 - 2019

Issued on

: 04.02.2018

Details of Sample

: (TMT) of SAIL

Sample No.	Unit Wt	Average Unit Wt	Elongation	Avg. Elongation	Ult. Tensile strength	Avg. Ult. Tensile strength	Yield strength	Avg. Yield Strength	Bend & ReBend	Proof Stress Test
	Kg/m	Kg/m	%	%	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	IS 1786 : 2008	
1	0.42	0.423	15.85	15.85	485	488.33	428	427.33	50	0.2%
2	0.43		15.90		490		426		44 mm	500 N/mm <sup>2</sup>
3	0.42		15.80		490		428		70	0.2%
1	0.614	0.615	14.90	14.88	496	495.66	426	425.00	78 mm	500 N/mm <sup>2</sup>
2	0.615		14.80		493		424		40	0.2%
3	0.617		14.95		498		425		52 mm	500 N/mm <sup>2</sup>
1	0.886	0.887	14.50	14.50	495	496	420	422.33	40	0.2%
2	0.888		14.65		495		422		500 N/mm <sup>2</sup>	
3	0.888		14.75		498		425		52 mm	500 N/mm <sup>2</sup>
1	1.579	1.578	14.25	14.22	490	493	420	420.67	40	0.2%
2	1.578		14.15		495		422		500 N/mm <sup>2</sup>	
3	1.578		14.25		495		420		66 mm	500 N/mm <sup>2</sup>

Supervised by



Head of the Department  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM 611002

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- Materials were supplied by the job requester.



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 (Affiliated to Anna University Chennai)

**Consultancy services**  
 (Department of Civil Engineering)

Ref.No. EGSP -004 - 1507 - 21742

**TEST CERTIFICATE ON CONCRETE CUBE**

Ph: 251112, 251114  
**E.G.S. PILLAY ENGINEERING COLLEGE**  
 Nagapattinam - 611 002

Receipt No.: M95513 Date: 15.7.18

Name: *Mr. S. Sankaranarayanan*

Roll No./Reg. No.: \_\_\_\_\_ Branch: \_\_\_\_\_

Semester/Duration: \_\_\_\_\_

Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General/Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900</b>	<b>00</b>

In words Rs. *One thousand only*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

TVR - 6 E  
 GM(C)/T(V  
 ile Concrete

3<sup>th</sup> Day  
 /mm<sup>2</sup> A

TEA  
 Dep  
 E.G.  
 NAG





# E. G. S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

Ref. No. EGSP -004 - 1507 - 21742

Date: 15.07.18

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi  
 Village in Nagapattinam- Dist.  
 Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19  
 Date of Casting : 12.06.13  
 Date of Test : 15.07.13  
 Size of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 28 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
485	21.56	21.48 N/mm <sup>2</sup>
485	21.56	
480	21.33	

Reviewed by



Head of the Department  
 Dept. of Civil Engineering  
 E. G. S. Pillay Engg. College  
 NAGAPATTINAM 611002

Correction without attestation will invalidate this certificate  
if materials were supplied by the job requester.





**E. G.S. PILLAY ENGINEERING COLLEGE**  
 NAGAPATTINAM - 611 002.  
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 (Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)  
 (Affiliated to Anna University Chennai)

**Consultancy services**  
 (Department of Civil Engineering)

Ref. No. EGSP -003 - 0108 - 21761

Date: 01

**TEST CERTIFICATE ON CONCRETE CUBE**

Name of  
 Requester  
 Date of  
 Test  
 Details

Sl. No  
 1  
 2

		<b>E.G.S. PILLAY ENGINEERING COLLEGE</b>		Ph: 251112, 251114
Nagapattinam - 611 002		Receipt No.: <b>M92946</b>		
Name: <b>D. N. S.</b>		Date: <b>1.1.18</b>		
Roll No./Reg. No.: <b>1001</b>		Branch: <b>Civil</b>		
Semester/Duration: _____		Branch: _____		
Sl. No.	PARTICULARS	Rs.	Ps.	
1.	University Registration Fee			
2.	University Examination Fee			
3.	Provisional Certificate & Degree			
4.	Convocation Fee			
5.	Condonation Fee			
6.	Individual Fine / Library Fine			
7.	General Breakage			
8.	Application Fee			
9.	Transport Fee			
10.	Identity Card			
11.	Library Card			
12.	Others			
	<b>Cube Test</b>	<b>900</b>	<b>00</b>	
In words Rs. <b>Nine Hundred</b>		<b>TOTAL</b>	<b>900</b>	<b>00</b>
		For Principal		

- 6 EPS at Kadamb  
 C)/T(VC1CC12103)/

concrete - M20

ay	
n <sup>2</sup> )	Average Strength
	17.93 N/mm <sup>2</sup>



Head of the Dept  
 Dept. of Civil Eng  
 E.G.S. Pillay En  
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# E. G.S.PILLAY ENGINEERING COLLEGE

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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSP -003 - 0108 - 21761

Date: 01.08.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi  
Village in Nagapattinam- Dist.

by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19

Testing : 24.07.18


: 01.08.18

Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 7 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
400	17.78	17.93 N/mm <sup>2</sup>
400	17.78	
410	18.22	

Supervised by 



  
 HEAD OF THE DEPARTMENT  
 Dept. of Civil Engineering  
 E.G.S. Pillay Engg. College  
 NAGAPATTINAM 611002

- Any correction without attestation will invalidate in this certificate
- Materials were supplied by the job requester.





# E. G.S. PILLAY ENGINEERING COLLEGE

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(An ISO 9001:2008 Certified Institution)

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(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSP -002 - 1006 - 21722

Date: 10.06.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
Nagapattinam - 611 002

Receipt No.: **M91946** Date: **10.6.18**

Name: *M. S. S. Kumaravel*

Roll No./Reg. No.: \_\_\_\_\_ Branch: \_\_\_\_\_

Semester/Duration: \_\_\_\_\_

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>900 00</b>	

In words Rs. *Nine hundred only*

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

TVR - 6 EPS at Kadambangudi

GM(C)/T(VC1CC12103)/18-19

ile Concrete - M20

th Day	
mm <sup>2</sup> )	Average Strength
	17.04 N/mm <sup>2</sup>

*[Signature]*  
10/6/18

**TEACHER IN CHARGE DEPARTMENT**  
**Dept. of Civil Engineering**  
**E.G.S. Pillay Engg. College**  
**NAGAPATTINAM 611002**







# E. G. S. PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

Ref. No. EGSP -002 - 1006 - 21722

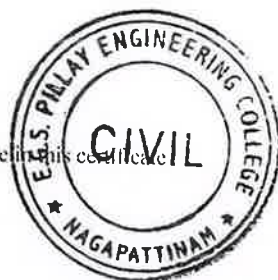
Date: 10.06.2018


### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.  
Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19  
Date of Casting : 03.06.18  
Tested on : 10.06.18  
Details of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 7 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
385	17.11	17.04 N/mm <sup>2</sup>
385	17.11	
380	16.89	

  
Supervised by



  
TEACHER IN THE DEPARTMENT  
Dept. of Civil Engineering  
E. G. S. Pillay Engg. College  
NAGAPATTINAM 611002

- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.



# E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

Ref.No. EGSP -001 - 0706 - 21720

Date: 07.06.2018

Ph: 251112, 251114

**E.G.S. PILLAY ENGINEERING COLLEGE**  
Nagapattinam - 611 002

Receipt No.: **M91669** Date: **7.6.18**

Name: **Dr. A. S. S. S. S. S.**

Roll No./Reg. No.: ..... Branch: .....

Semester/Duration: .....

Sl.No.	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree		
4.	Convocation Fee		
5.	Condonation Fee		
6.	Individual Fine / Library Fine		
7.	General Breakage		
8.	Application Fee		
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
<b>TOTAL</b>		<b>90000</b>	

In words Rs. **Nine thousand only**

For Principal

NOTE: This Receipt should be produced for verification as and when demanded by the office.

RETE CUBE

at TVR - 6 EPS at Kadambangudi

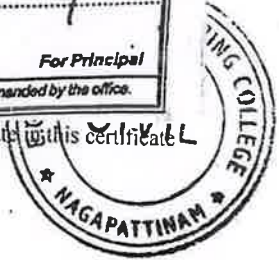
/DGM(C)/T(VC1CC12103)/18-19

Pile Concrete - M20

07 <sup>th</sup> Day	
√/mm <sup>2</sup> )	Average Strength
3	15.85 N/mm <sup>2</sup>
3	
3	

*[Signature]*  
2018

**HEAD OF THE DEPARTMENT**  
**Dept. of Civil Engineering**  
**E.G.S. Pillay Engg. College**  
**NAGAPATTINAM 611002**



- Any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.



**E. G. S. PILLAY ENGINEERING COLLEGE**  
 NAGAPATTINAM - 611 002.  
 (An ISO 9001:2008 Certified Institution)  
 (Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)  
 (Affiliated to Anna University Chennai)



**Consultancy services**  
 (Department of Civil Engineering)

No. EGSP -001 - 0706 - 21720

Date: 07.06.2018

**TEST CERTIFICATE ON CONCRETE CUBE**

of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi  
 Village in Nagapattinam- Dist.  
 ted by : SE/ ONGC/KKL/CA/ES/DGM(C)/T(VC1CC12103)/18-19  
 Casting : 31.05.18  
 on : 07.06.18  
 of Sample : size 150 x 150 x 150 mm, Pile Concrete – M20

Compressive Strength on 07 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
355	15.78	15.85 N/mm <sup>2</sup>
355	15.78	
360	16.00	

revised by



TEAD Head of the DEPARTMENT  
 Dept. of Civil Engineering  
 E. G. S. Pillay Engg. College  
 NAGAPATTINAM 611002

- any correction without attestation will invalidate this certificate.
- Materials were supplied by the job requester.





# E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC -006-1507 - 21740

Date: 15.07.2018

		Ph: 251112, 251114	
<b>E.G.S. PILLAY ENGINEERING COLLEGE</b>			
Nagapattinam - 611 002			
Receipt No.: M91641		Date: 15.7.18	
Name: P. N. C. Isaraiyal			
Roll No./Reg. No.:		Branch:	
Semester/Duration:			
Sl.No	PARTICULARS	Rs.	Ps.
1.	University Registration Fee		
2.	University Examination Fee		
3.	Provisional Certificate & Degree	M20	
4.	Convocation Fee		
5.	Condonation Fee	Cube	
6.	Individual Fine / Library Fine		
7.	General Breakage	Rest	
8.	Application Fee	900	00
9.	Transport Fee		
10.	Identity Card		
11.	Library Card		
12.	Others		
TOTAL		900	00
In words Rs. Nine Hundred only.			
For Principal			
<small>NOTE: This Receipt should be produced for verification as and when demanded by the office.</small>			

NETE CUBE  
at TVR - 6 EPS at Kadambangudi  
DGM(C)/T (VC1CC12103)/18-19  
Platform 3, 4, 5 - M20

8 <sup>th</sup> Day	
(/mm <sup>2</sup> )	Average Strength
	20.88 N/mm <sup>2</sup>

*[Signature]*  
HEAD OF THE DEPARTMENT  
Dept. of Civil Engineering  
E.G.S. Pillay Engg. College  
NAGAPATTINAM 611002



# E. G.S.PILLAY ENGINEERING COLLEGE

NAGAPATTINAM - 611 002.

(An ISO 9001:2008 Certified Institution)

(Approved by AICTE, New Delhi, Approved by Govt. of Tamil Nadu)

(Affiliated to Anna University Chennai)



## Consultancy services (Department of Civil Engineering)

No. EGSPEC -006-1507 - 21740

Date: 15.07.2018

### TEST CERTIFICATE ON CONCRETE CUBE

Name of Work : Construction of compound wall at TVR – 6 EPS at Kadambangudi Village in Nagapattinam- Dist.

Requested by : SE/ ONGC/KKL/CA/ES/DGM(C)/T (VC1CC12103)/18-19

Date of Casting : 12.06.18


Tested on : 15.07.18

Details of Sample : size 150 x 150 x 150 mm, Platform 3, 4, 5 – M20

Compressive Strength on 28 <sup>th</sup> Day		
Load in KN	Strength (N/mm <sup>2</sup> )	Average Strength
460	20.44	20.88 N/mm <sup>2</sup>
475	21.11	
475	21.11	

Supervised by 



  
**HEAD OF THE DEPARTMENT**  
 Head of the Dept.  
 Dept. of Civil Engineering  
 E.G.S. Pillay Engg. College  
 NAGAPATTINAM - 611002

Any correction without attestation will invalidate this certificate.  
Materials were supplied by the job requester.



# E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, Civil, ECE & IT) Accredited by NAAC with 'A' Grade

An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr.S.RAMABALAN M.E.Ph.D.,  
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

### Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	01
3	Date	14/04/2019
4	No. of Attendees	2

### Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	

### Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us. This MOU is effect from 14.04.2019

Proprietor



14/4/19

On behalf of EGSPEC

Principal

E.G.S. Pillay Engineering College

Nagapattinam

Personal : 251114, Office : 251112, Chairman : 224522, Hostel : 251348, Fax : (04365) 251114

Web site : www.egspec.org



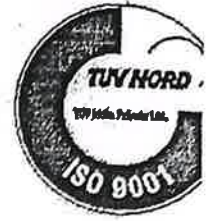


# E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, CIVIL, ECE & IT) Accredited by NAAC with 'A' Grade  
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



Dr. S. RAMABALAN M.E.Ph.D.,  
PRINCIPAL

Ref: EGSPEC/APRIL/2019

14/04/2019

### Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.,	01
3	Date	14/04/2019
4	No. of Attendees	2

### Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	

### Memorandum of Understanding

The memorandum of understanding is entered on this 3rd February, 2019 between Sun fiber boat and sea foods, nagore, Tamilnadu-611002, here in after called the party of the first part represented by Shri.B.Mohan, Proprietor, Sun fiber boat and sea foods.

And

Department of Mechanical Engineering, E.G.S.Pillay Engineering College, Old nagore road, Nagapattinam, Tamilnadu-611002, her in after called the party of the second part represented by Dr.V.Sivaraman, Professor, E.G.S.Pillay Engineering college here in. after called the party of the second part. We are happy to sign Memorandum of Understanding for the purpose of doing consultancy work for the title "Design and fabrication of FRP Boat for the use of fishing purpose" The period from April 2019 to October 2019(6 months). We accept and satisfy the requirement from both side and it is very good platform for us.

This MOU is effect from 14.04.2019

On behalf of Proprietor



14/4/19

On behalf of EGSPEC  
PRINCIPAL  
E.G.S. Pillay Engineering College,  
Nagapattinam

Personal : 251114, Office : 251112, Chairman :-224522, Hostel : 251348, Fax : (04365) 251114  
Web site : www.egspec.org

# SUN FIBER BOATS & SEA FOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,  
Proprietor

GSTIN: 33BJOPM7318D1Z7  
Ph.8610447629

To  
The Principal  
EGS Pillay Engineering College  
Nagapattinam

15-04-2019

Sir,

Sub: FRP boat order – reg.

With reference to our discussion with you and Dr.V.Sivaraman, we are interested to give order to deliver the boat with the following specifications

1. Length 42 feet
2. Breadth 11 feet
3. Height 4 feet

The boat should have two engines with maximum capacity of 50 HP each. The cabin size must accommodate minimum 3 to 4 person with steering wheel and other necessary accessories. We can pay Rs.11 lakhs (Eleven Lakhs only) for the entire project, if you are interested kindly send your acceptance immediately.

Thanking You

With regards





# E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous)

NAGAPATTINAM - 611 002.

Accredited by NBA (CSE, EEE, Mech, CIVIL, ECE & IT) Accredited by NAAC with 'A' Grade  
An ISO 9001:2008 Certified Institution

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai



**Dr.S.RAMABALAN M.E.Ph.D.,  
PRINCIPAL**

Ref: EGSPEC/MECH/APRIL/2019

16/04/2019

To

Shri.B.Mohan  
Proprietor  
Sun fibre boats and sea foods  
Nagore  
Tamilnadu-611002.

Sir

Sub: Consultancy work-reg

Greeting from E.G.S.Pillay Engineering College, Nagapattinam.

We are happy to inform you that herewith we attached the technical specification and description of the consultancy work for you reference and fix a date for meeting to discuss about the consultancy work and budget details.

Thank you

Yours truly

  
Dr.S.Ramabalan

E.G.S. Pillay Engineering College  
Nagapattinam.



# SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,  
Proprietor

GSTIN:33BJOPM7318D1Z7  
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan  
Principal  
E.G.S.Pillay Engineering College  
Nagapattinam  
Tamilnadu-611002

Sir

Sub: Consultancy work-reg

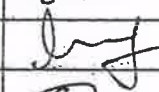
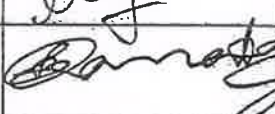
Consultancy second minutes of meeting conducted with below mentioned field experts as on date

10.6.2019.

## Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	25.05.2019
4	No. of Attendees	1

## Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

# SUN FIBER BOATS & SEAFOODS

No.11, Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,  
Proprietor

GSTIN:33BJOPM7318D1Z7  
Ph.8610447629

REF: EGSPEC/MAY/2019

25/05/2019

To

Dr.S.Ramabalan  
Principal  
E.G.S.Pillay Engineering College  
Nagapattinam  
Tamilnadu-611002

Sir

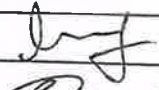

Sub: Consultancy work-reg

Consultancy second minutes of meeting conducted with below mentioned field experts as on date  
10.6.2019.

## Minutes of Meeting

S.No	Content	Particulars
1	Purpose of Meeting	Consultancy work
2	Meeting No.	02
3	Date	25.05.2019
4	No. of Attendees	1

## Board Members

S.No	Name	Address	Signature
1	Shri.B.Mohan	Sun fibre boats and sea foods	
2	Dr.S.Ramabalan	Principal & Professor, Mech, EGSPEC	
2	Dr.V.Sivaraman	Professor, Mech, EGSPEC	V.Sivaraman

# SUN FIBER BOATS & SEAFOODS


No.11,Kalpandaga Salai Street, Nagore – 611002

Shri.B.Mohan B.A.,  
Proprietor

GSTIN:33BJOPM7318D1Z7  
Ph.8610447629

## Certificate of Appreciation

On behalf of the company I sincerely thank the R&D department of E.G.S.Pillay Engineering College for their excellent consultancy work in manufacturing fibre boat as per our specific requirements I also thank the Principal Dr.S.Ramabalan and Dr.V.Sivaraman for their timely support and help in finishing the project on time. Our customer was very happy with the boat design and finishing. In future we request you to help to complete similar projects for our company.



For SUN FIBRE BOAT AND SEA FOODS

Authorized Signatory






**E.G.S.PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM.  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Table 5.8.4 Details of Consultancy work**

Academic Year 2018-2019					
S.No.	Name of the Company	Nature of Work	Duration	Consultancy Fee in Rs	Faculty Involved in the Work
1.	Device Control Systems, 4-Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills-Post,, Coimbatore, Tamil Nadu 641029	Automatic and SMS based Irrigation Field Motor Control System	Four Month	1,15,000	Dr.M.Vijayakumar Mr.K.Krishnaram Mr.B.A.Naveen Antony
2.	Evolvicx Technology Solutions, No.6/76A Mannar Serfoji Nagar, New Busstand, Thanjavur-6	Electrical Appliances controller using Android app with Bluetooth	Two Month	78,000	Dr.M.Vijayakumar Dr.V.Mohan Mr.P.J.Suresh babu
3.	Device Control Systems, 4-Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills-Post,, Coimbatore, Tamil Nadu 641029	Electrical Appliances Control using IOT	Three Month	82,000	Dr.M.Vijayakumar Mr.K.Nandakumar Dr.T.Suresh Padmanabhan
Total Amount				2,75,000	

  
**R& D Coordinator**

  
**HOD/EEE**

**Dr. V. MOHAN M.E., Ph.D.,**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam



06.07.2018

Dear Mr M Vijayaraj Kumar,

As per our discussion I would be most pleased to please arrange the one to one meeting with your expert team to develop my requirements for an Automatic and SMS based very good field mobile stored procedure. It is for farmers of Coimbatore district. It is most urgent.

Thanks with Warm Regards

For Device Control Systems



S.SIVAKUMAR  
PARTNER  
98430 78999

**DEVICE CONTROL SYSTEMS**

SF No 5047B, KMG Pudur Road, Rishikulam Nagar, Suburban area, Coimbatore - 641 029  
Tel: +91 422 4366861 | www.devicecontrol.com

**AFIX** PAPER SYSTEMS



**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 11/07/2018

Subject: One to One Discussion –Regarding

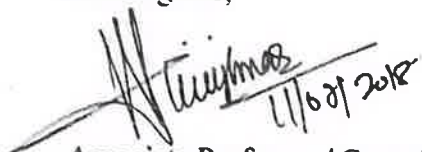
Dear Er. S. Sivakumar,

I'm Mr. M. Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Device Control Systems, Coimbatore, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 16/07/2018 or 19/07/2018, 10-4 AM/PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,



M. Vijayakumar  
11/6/2018

Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038



**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 17/07/2018

To

Er. S.Sivakumar,  
M/S Device Control System,  
4, Rishiram Nagar,  
KNG Pudur Main Road,  
SM Palayam,  
GN Mills Post,  
Coimbatore.

Dear Er.S.Shivakumar,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on Automatic SMS based Irrigation Field motor control system and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



**Dr. V. MOHAN M.E.,Ph.D.,**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

**QUOTATION**

REF: EGSPCS/QUOT/EEE/2018/101

Date: 18/07/2018

To

Er. S.Sivakumar,  
M/S Device Control System,  
4, Rishiram Nagar,  
KNG Pudur Main Road,  
SM Palayam,  
GN Mills Post,  
Coimbatore.

Sub: Quotation for Automatic SMS based Irrigation Field motor control system - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Automatic SMS based Irrigation Field motor control system and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services

  
Director/HOD

**Dr. V. MOHAN M.E., Ph.D.,**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg.  
E. G. S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES**  
**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**  
**NAGAPATTINAM.**

Commercials for Automatic SMS based Irrigation Field motor control system

Sl. No.	Particulars	Quantity	Rate	Amount In Rs
1.	Mother Board: Design and Development Charge	1	35,000	35,000
2.	Cabinet Design and Development Charge	1	25,000	25,000
3.	Automatic SMS based Irrigation Field motor control system with Sensors	10	5,500 each	55,000
			Sub Total	1,15,000
			Total Payable	1,15,000
<b>In Words: One Lakh, Fifteen Thousand only</b>				

**Account Details:**

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

**List of Deliverables :**

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

**Product Ownership :**

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.



Valid For Three Months Only

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D D M M Y Y Y Y

### IndusInd Bank

IndusInd Bank Limited, Computer Branch  
Meharban Road, Computer, St. Road, Gurgaon, G.N. Uda Road, Mehrauli Road, Confluence Tower (NCA) 64120  
Ground Floor & Basement, Mayapuri Corporate, St. Road, Gurgaon, Haryana  
IFSC: INDI0001017

Pay order to R AND D CONSULTANCY F-G-S PILLAY ENGINEERING COLLEGE ORBESAR  
51 SIKS ST

Rupess only Fifty thousand only ₹ 50,000

Current Account - Indus Silver  
Payable At Par At All Branches

A/c No. 201001650471  
उपरोक्त अंक

*[Signature]*  
PHASE ACOUSTICS  
Please sign above

IFSC# 953726# 6412340101: 900202# 29

UNIT FORMS P/N 170 / C19 - 2010

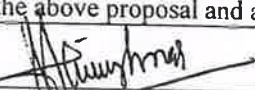
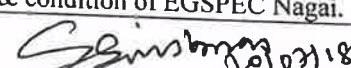
**E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM**

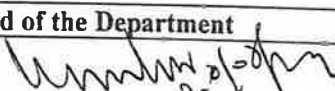

<b>Consultancy Project Agreement</b>	
Project Title:	Automatic SMS based Irrigation Field motor control system
Name and Address of the Company:	Er. S.Shivakumar, M/S Device Control System, 4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.
Name of the Representative:	Er.S.Shivakumar
Phone: 9487434999	E-mail: shiv.dcs@gmail.com

**Principal Consultant\***

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Mr.K.Krishnaram	Assistant Professor	EEE
3	Mr.B.A.Naveen Antony	Assistant Professor	EEE

Project Cost: Rs.1,15,000	Service Tax: Nil
Total Project Cost: Rs.1,15,000	
Duration of Proposed Work: Four months	
Date of Commencement: 23/07/2018	Date of Completion: 20/11/2018
Scope of Proposed Work: Automatic SMS based Irrigation Field motor control system saves time, money & power of the farmer.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Mr.M.Vijayakumar Associate Professor / EEE	Name: Er. S.Sivakumar, M/S Device Control System
Date: 20/07/2018	Date: 20/07/2018

Head of the Department	EGSPC Office Use	Registered
Signature: 	Project Number: EGSPCS/QUOT/EEE/2018/101	
Date: 20/07/2018	Date: 20/07/2018	Signature: 

**Dr. V. MOHAN M.E., Ph.D.,**  
PROFESSOR & HEAD  
Department of Electrical & Electronics Engg.  
Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES  
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM  
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Automatic SMS based Irrigation Field motor control system**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **Four months**
5. (i) Date of Commencement **23/07/2018**(ii) Expected Date of Completion **22/11/2018**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Er. S.Shivakumar, M/S Device Control System, J. Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in :**Full / Part ;Rs50,000/- Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr.M.Vijayakumar Associate Professor / EEE	PI	
Mr.K.Krishnam Assistant Professor / EEE	CO - PI	
Mr.B.A.Naveen Antony Assistant Professor / EEE	CO - PI	

Signature of the Principal Consultant (with date)   
**Dr. V. MOHAN M.E., Ph.D.**  
**PROFESSOR & HEAD**

Forwarded by Head of Department/ branch/office \_\_\_\_\_  
Professor of Electrical & Electronics Engg.  
E.G.S.Pillay Engineering College - Nagapattinam

**Director (EGSPCS) Office, EGSPEC**

Consultancy Project No.:EGSPCS/APP/EEE/2018/101

Dated: 20/07/2018

Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for improvement**

Convener

Member(s)

**Dr. V. MOHAN M.E., Ph.D.**  
**PROFESSOR & HEAD**  
of Electrical & Electronics Engg.  
Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM**

**FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: *EEE*
2. Title of the Consultancy Project: *Automatic SMS based Irrigation Field motor control system*
3. Consultancy Project Category: *II/III*
4. Duration of the Consultancy Project (Year/Month/Days): *Four months*
5. (i) Date of Commencement: *23/07/2012* (ii) Expected Date of Completion: *22/11/2012*
6. Detailed Project Report (DPR) attached: *YES/NO*
7. Client's Name and Address: *Dr. S. Shivakumar, MIS Design Control Systems, Pothumudi Nagar, KEC Pudur Main Road, SM Palayam, GM Mills Post, Coimbatore.*
8. Type of Client (Tick): *Private Sector / Govt. Sector / Public Sector / Foreign Agency / Others (Please Specify)*
9. Payment to be received in: *Full / Part (Rs/USD/- Indian Currency / Foreign Currency)*
10. Whether MoU/Agreement Signed with Client (Attach, if any): *Signed / Not Signed*
11. Consent Letter from the Client attached: *YES/NO*
12. Consent Letter from the Consultant(s) attached: *YES/NO*
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Mr. M. Vijayakumar Associate Professor / EEE	PI	<i>[Signature]</i>
Mr. K. Krishnamurthy Assistant Professor / EEE	CO-PI	<i>[Signature]</i>
Mr. B. A. Naveen Antony Assistant Professor / EEE	CO-PI	<i>[Signature]</i>

Signature of the Principal Consultant (with date)  
*Dr. V. MOHAN M.E. Ph.D.*  
PROFESSOR & HEAD

Forwarded by Head of Department/branch/office

Director (EGSPCS) Office, EGSPCC

Consultancy Project No.: *EGSPCS/APP/EE/2012/101*

Dated: *20/07/2012*

Recommendations of EGSPCS Committee: *Approved / Not Approved / Suggestions for improvement*

Convener

Member(s)

*Dr. V. MOHAN M.E. Ph.D.*  
PROFESSOR & HEAD  
Electrical & Electronics Engg.



**IndusInd Bank**

IndusInd Bank Limited  
Mumbai Branch Road, Computer Centre,  
Ground Floor & Basement, Narva Complex,  
IFSC: IN200001017

IndusInd Bank Limited  
Mumbai Branch Road, Computer Centre,  
Ground Floor & Basement, Narva Complex,  
IFSC: IN200001017

Valid For Three Months Only

20112018  
D D M M Y Y Y Y

Pay to the order of R AND D CONSULTANCY EGS PULAY ENGINEERING COLLEGE Or Bearer  
या एगके के

Rupees ₹ Sixty five thousand only

₹ 65,000/-

Account Number  
201001660471

Account Number  
Payable At Par or Ad Beneficiary

*[Signature]*

PHASE ACOUSTICS  
Please sign above

963727# 64234010# 900202# 29

**E.G.S.PILLAY CONSULTANCY SERVICES**  
**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**  
**NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title Description : Automatic SMS based Irrigation Field motor control system  
230V, 7A Relay Board, Moisture Sensor, SIM 900 Modem, LCD Display, Arduino Controller,  
Power Circuit and Cabinet

Name of the Client: Er.S.Shrivakumar

Approval No: EGSPCS/APP/EEE/2018/101      Dated: 20/07/2018

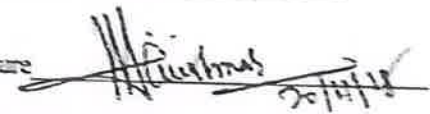
Billing Amount in Rs. 1,15,000

Payment through Cash / Cheque DD No. 963726 / 963727

20.07.2018  
20.11.2018  
Dated

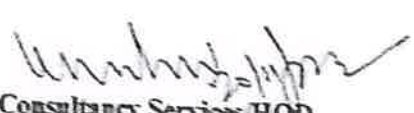
Dated: 20/11/2018

Signature



Name of P.I. : M.V. Jayakumar, Asso. Prof / EEE

Department : EEE

  
Director Consultancy Services/HOD

Ref. Copy of Job Approval Form

**Dr. V. MOHAN M.E., Ph.D.**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg  
E.G.S. Pillay Engineering College, Nagapattinam



Tel : 191 4362 226160  
Mob: 191 8444 194 786  
#4B/2, Manna Sairaji Nagar,  
Thanjavur - 613005.

20.09.2018

Dear Consultant,

Hello and good day. As the managing director of Evolvix Technology Solutions in Thanjavur, I thus present myself. It is necessary at our company to design and construct an Android app with Bluetooth-enabled electrical appliance controller. I've already met with a representative from your college, and I've gone over my criteria. We can talk about the next steps if you set up a direct meeting.

Regards and thanks

*Pravin*  
20/9/2018



Website : [www.evolvix.com](http://www.evolvix.com)

Email : [evolvixinfo@gmail.com](mailto:evolvixinfo@gmail.com)

**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 26/09/2018

Subject: One to One Discussion –Regarding


Dear Mr. M.Vijay,

I'm Mr. M.Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Evolvics Technology Solutions, Thanjavur, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 01/10/2018 or 03/10/2018, 10AM to 4PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,

  
Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038



**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 03/10/2018

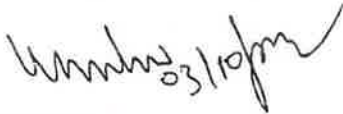
To

Mr.M.Vijay,  
M/S Evolvix Technology Solutions,  
6/76A, Mannar Sarboji Nagar,  
New bus stand  
Thanjavur.

Dear Mr.M.Vijay,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on **Electrical Appliances Controller using Android App with Bluetooth** and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



**Dr. V. MOHAN** M.E., Ph.D.,  
PROFESSOR & HEAD  
Department of Electrical & Electronic  
E.G.S. Pillay  
NAGAPATTINAM

**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

**QUOTATION**

REF: EGSPCS/QUOT/EEE/2018/102

Date: 05/10/2018

To

Mr.M.Vijay,  
M/S Evolvix Technology Solutions,  
6/76A, Mannar Sarboji Nagar,  
New bus stand  
Thanjavur.

**Sub:** Quotation for Electrical Appliances Controller using Android App with Bluetooth - Reg

Dear Madam,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Design and Development of Electrical Appliances Controller using Android App with Bluetooth and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services



Director/HOD

**Dr. V MOHAN M.E., Ph.D.,**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES**  
**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**  
**NAGAPATTINAM.**

**Commercials for Electrical Appliances Controller using Android App with Bluetooth**

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Microcontroller Board and APP Design and Development Charge	1	55,000	55,000
2.	Cabinet Design and Development Charge	1	23,000	23,000
			Sub Total	78,000
			Total Payable	78,000

**In Words: Seventy Eight Thousand only**

**Account Details:**

Ac/No: 51090901039993  
Name : R AND D CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE  
Bank : CITY UNION BANK  
Branch: NAGORE

**List of Deliverables :**

1. Completed and tested hardware prototype as per customer specifications.
2. Fabrication drawings.
3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

**Product Ownership :**

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

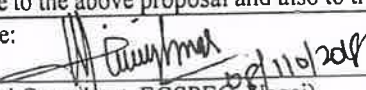

# E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

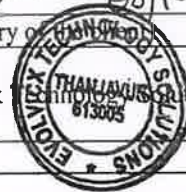
<b>Consultancy Project Agreement</b>	
Project Title:	Electrical Appliances Controller using Android App with Bluetooth
Name and Address of the Company:	Mr.M.Vijay, M/S Evolvix Technology Solutions, 6/76A, Mannar Saroboji Nagar, New bus stand Thanjavur.
Name of the Representative:	Mr.M.Vijay
Phone: 9025014229	E-mail: vijay.evolvix@gmail.com

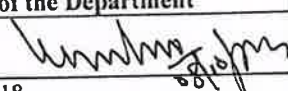

**Principal Consultant\***

S.No	Name of the Consultant	Designation	Department
1*	Mr.M.Vijayakumar	Associate Professor	EEE
2	Dr.V.Mohan	Professor	EEE
3	Mr.P.J.Suresh Babu	Assistant Professor	EEE

Project Cost: Rs.78,000	Service Tax: Nil
Total Project Cost: Rs.78,000	
Duration of Proposed Work: Two months	
Date of Commencement: 11/10/2018	Date of Completion: 10/12/2018
Scope of Proposed Work: Bluetooth is wireless technology to use in home automation and with help of android application, we could connect and control household appliances and provide security to handicapped, old people.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPC, Nagai)	(Authorized signatory of Evolvix Technology Solutions)
Name: Mr. M. Vijayakumar Associate Professor / EEE	Name: Mr.M.Vijay, M/S Evolvix
Date: 08/10/2018	Date: 08/10/2018



Head of the Department	EGSPC Office Use	Registered
Signature: 	Project Number: EGSPCS/QUOT/EEE/2018/102	
Date: 08/10/2018	Date: 08/10/2018	Signature: 

**Dr. V. MOHAN**  
PROFESSOR & HEAD  
Department of Electrical & Electronics  
E.G.S.Pillay Engineering College - Nagapattinam





**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description: **Electrical Appliances Controller using Android App with Bluetooth  
Arduino Controller, 8 – channel Relay board, HC-06 Bluetooth, 12V power Circuit, Bluetooth Android  
App and Cabinet Design**


Name of the Client: Mr.M.Vijay

Approval No: EGSPCS/APP/EEE/2018/102      Dated: 08/10/2018

Billing Amount in Rs. 78,000

Payment through Cash /Cheque/DD No. Rs 35,000/-      Dated 08/10/2018  
Rs 43,000/-      Dated 16/11/2018

Dated: 16/11/2018

Signature 

Name of P.I. : M.Vijayakumar, Asso. Prof / EEE

Department : EEE

  
Director Consultancy Services/HOD

Ref: Copy of Job Approval Form

**Dr. V. MOHAN M.E., Ph.D.,  
PROFESSOR & HEAD  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam**



10.01.2019

Dear Mr.M. Vijayakumar,

As per our discussion I want to meet your experts, so please arrange the one to one meeting with your expert team to develop my requirement for an Electrical Appliances Control using IOT for commercial purpose early as possible.

Thanks with Warm Regards

For Device Control Systems

S.SIVAKUMAR  
PARTNER  
98430 78999

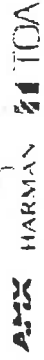


**DEVICE CONTROL SYSTEMS**

S.No. 504/1B, KNG Pudur Road, Rishiram Nag.  
Tel. +91 422 4366961 | www.deviceindia.com

Alayam, GN Mills (Post), Combatore - 641029.

System energy star partner with



**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 15/01/2019

Subject: One to One Discussion –Regarding

Dear Er. S. Shivakumar,

I'm Mr. M. Vijayakumar working as Associate Professor and Consultant at E.G.S.Pillay Engineering College Nagapattinam. With your inquired, Here, we specialize in Advanced Embedded System, PCB Design and Fabrication and we've helped your consumer product development up to end. Since you're a Managing Director at Device Control Systems, Coimbatore, I believe we could collaborate to achieve good consumer product by using our Consultancy.

I'd like to invite you to our office at E.G.S.Pillay Consultancy Services, E.G.S.Pillay Engineering College, Nagapattinam for a meeting to discuss this further. Would either 17/01/2019 or 21/01/2019, 10AM to 4PM work for you?

Please let me know if you'd like to meet at a different time.

Kind regards,



15/01/2019

Associate Professor / Consultant

EGSPCS

Contact Number: +91 9488012038



**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

Date: 18/01/2019

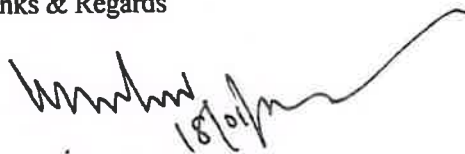
To

Er. S.Sivakumar,  
M/S Device Control System,  
4, Rishiram Nagar,  
KNG Pudur Main Road,  
SM Palayam,  
GN Mills Post,  
Coimbatore.

Dear Er.S.Sivakumar,

Thank you for taking the time to meet with my colleagues from the Department of EEE, EGSPCS and me today regarding your Consumer product development goals. It's been a pleasure talking to you and learning about your Company. With reference to our discussion on **Electrical Appliances Control using IoT** and further deliberations from there on, please find the quotation for the complete product design including the delivery of PCB and manufacturing files. Looking forward to your formal Purchase order.

Thanks & Regards



18/01/19

**Dr. V MOHAN M.E., Ph.D.**  
**PROFESSOR & HEAD**  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

**QUOTATION**

REF: EGSPCS/QUOT/EEE/2019/103

Date: 21/01/2019

To

Er. S.Sivakumar,  
M/S Device Control System,  
4, Rishiram Nagar,  
KNG Pudur Main Road,  
SM Palayam,  
GN Mills Post,  
Coimbatore.

Sub: Quotation for Electrical Appliances Control using IoT - Reg

Dear Sir,

Warm Greetings from E.G.S.Pillay Consultancy Services.

With reference to our discussion for Electrical Appliances Control using IoT and further deliberations from there on, we are pleased to submit the Quotation for the same. Please feel free to contact us so that we can initiate the proceedings. Looking forward to hear from you.

For E.G.S.Pillay Consultancy Services

  
Director/HOD

**V. MOHAN M.A., Ph.D.,**  
PROFESSOR & HEAD  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S.PILLAY CONSULTANCY SERVICES**  
**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**  
**NAGAPATTINAM.**

Commercials for Electrical Appliances Control using IoT

Sl. No.	Particulars	Quantity	Rate	Amount in Rs
1.	Mother Board : Design Development and Software Development Charges	1	32,000	32,000
2.	Cabinet Layout Design and Fabrication Charges	1	25,000	25,000
3.	Complete Product	5	5,000 each	25,000
			Sub Total	82,000
			Total Payable	82,000

In Words: Eighty Two Thousand only

Account Details:

Ac/No: 51090901039993

Name : R AND D CONSULTANCY SERVICES

E.G.S. PILLAY ENGINEERING COLLEGE

Bank : CITY UNION BANK

Branch: NAGORE

List of Deliverables :

1. Completed and tested hardware prototype as per customer specifications.
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3. Complete Design Schematic.
4. PCB fabrication files and Gerber files.
5. Firmware source files and Hex files.

Product Ownership :

The IP rights of the designed product belong to the customer. The E.G.S.Pillay Consultancy Services shall not claim any ownership of the developed product.

# IndusInd Bank

IndusInd Bank Limited  
Metpallyyam Road, Coimbatore Branch  
Ground Floor & Basement, Mayura Complex, Sri Balaji Gardens, O.N Mills Post, Metpallyyam Road Coimbatore Tamil Nadu INDIA 641020  
IFSC: INDI0001017

Valid For Three Months Only  
23012019  
D D M Y Y Y

Pay order for R AND D CONVIANTANCY F.G.S PULAY ENGINEERING COLLEGE Or Bearer  
Rupees forty thousand only या धारक को

A/c No.  
खाता नं. 201001660471

Current Account - Indus Silver  
Payable At Par At All Branches

₹ 40,000/-



PHASE ACOUSTICS  
Please sign above

963742# 641234010# 900202# 29



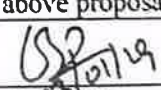
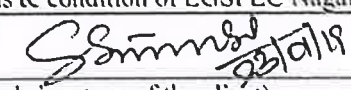
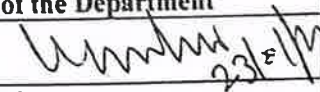

# E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM

Consultancy Project Agreement	
Project Title:	Electrical Appliances Control using IoT
Name and Address of the Company:	Er. S.Sivakumar, M/S Device Control System, 4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.
Name of the Representative:	Er.S.Sivakumar
Phone: 9487434999	E-mail: shiv.dcs@gmail.com

**Principal Consultant\***

S.No	Name of the Consultant	Designation	Department
1*	Dr.T.Suresh Padmanabhan	Professor	EEE
2	Mr.M.Vijayakumar	Associate Professor	EEE
3	Mr.K.Nandakumar	Assistant Professor	EEE

Project Cost: Rs.82,000	Service Tax: Nil
Total Project Cost: Rs.82,000	
Duration of Proposed Work: Three months	
Date of Commencement: 25/01/2019	Date of Completion: 24/04/2019
Scope of Proposed Work: Electrical Appliances based on the Internet of Things or IoT will use cloud-based computing or internet protocols (IPs) to control all devices in a smart home.	

We agree to the above proposal and also to the EGSPC terms & condition of EGSPEC Nagai.	
Signature: 	Signature: 
(Principal Consultant, EGSPEC, Nagai)	(Authorized signatory of the client)
Name: Dr.T.Suresh Padmanabhan Professor / EEE	Name: Er. S.Sivakumar, M/S Device Control System
Date: 23/01/2019	Date: 23/01/2019
<b>Head of the Department</b>	<b>EGSPC Office Use</b> <span style="float: right;"><b>Registered</b></span>
Signature: 	Project Number: EGSPCS/QUOT/EEE/2019/103
Date: 23/01/2019	Date: 23/01/2019 Signature: 

Dr. V. MUHAN M.E., PH.D.,  
PROFESSOR & HEAD  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam

**E.G.S. PILLAY CONSULTANCY SERVICES  
E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM  
FORM FOR APPROVAL OF CONSULTANCY PROJECT**

1. Name of the Department/Office/Branch: **EEE**
2. Title of the Consultancy Project: **Electrical Appliances Control using IoT**
3. Consultancy Project Category: **I/II/III**
4. Duration of the Consultancy Project (Year/Month/Days): **Three months**
5. (i) Date of Commencement **25/01/2019** (ii) Expected Date of Completion **24/04/2019**
6. Detailed Project Report (DPR) attached: **YES / NO**
7. Client's Name and Address : **Er. S.Sivakumar, M/S Device Control System,4, Rishiram Nagar, KNG Pudur Main Road, SM Palayam, GN Mills Post, Coimbatore.**
8. Type of Client (Tick): **Private Sector/ Govt. Sector/ Public Sector /Foreign Agency / Others (Please Specify)**
9. Payment to be received in : **Full / Part ;Rs.40,000/-Indian Currency /Foreign Currency**
10. Whether MoU/ Agreement Signed with Client (Attach, if any): **Signed / Not Signed**
11. Consent Letter from the Client attached: **YES / NO**
12. Consent Letter from the Consultant(s) attached: **YES / NO**
13. Details of Persons involved in the Consultancy Project:

Name of Consultant(s) along with Designation & Department/Office/Branch	Brief role	Signature
Dr.T.Suresh Padmanabhan Professor / EEE	PI	<i>[Signature]</i> 23/01/19
Mr.M.Vijayakumar Associate Professor / EEE	CO - PI	<i>[Signature]</i>
Mr.K.Nandakumar Assistant Professor / EEE	CO - PI	<i>[Signature]</i>

*[Signature]*  
Signature of the Principal Consultant (with date)  
**Dr. V. MOHAN M.E. Ph.D.**  
PROFESSOR & HEAD

Forwarded by Head of Department/ branch/office

Department of Electrical & Electronics Engg  
E.G.S. Pillay Engineering College - Nagapattinam

Director (EGSPCS) Office, EGSPEC

Consultancy Project No.: **EGSPCS/APP/EEE/2019/103**

Dated: **23/01/2019**

Recommendations of EGSPCS Committee: **Approved / Not Approved / Suggestions for improvement**

Convener

**Dr. V. MOHAN M.E., Ph.D.,**  
PROFESSOR & HEAD

Department of Electrical & Electronics Engg  
E.G.S. Pillay Engineering College - Nagapattinam

Member(s)

*[Signature]*  
*[Signature]*

# IndusInd Bank

IndusInd Bank Limited  
Meharajayam Road, Coimbatore Branch  
Ground Floor & Basement, Meyyura Corner Sri Balaji Gardens, G.N. Mills Post, Meharajayam Road Coimbatore Tamil Nadu INDIA 641000  
IFSC: INDS0001017

Valid For Three Months Only

2	9	0	3	2	0	1	9
D	D	M	Y	Y	Y	Y	Y

Pay order करें R AND D CONSULTANCY E.G.S PULAY ENGINEERING COLLEGE Or Bearer  
या धारक को

Rupees रुपये Forty two thousand only

₹	42,000/-
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A/c No. खाता क्र	201001660471
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Current Account - Indus Silver  
Permissible At Par At All Branches



PHASE ACOUSTICS  
Please sign above

⑈983748⑈ 64123410⑈ 900202⑈ 29

**E.G.S.PILLAY CONSULTANCY SERVICES  
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM.**

(Performa for making request for issuance billing for Consultancy and Testing Projects)

Project Title/Description: Electrical Appliances Control using IoT

Arduino Nano Controller, 8-Channel Relay Board, WIFI module, ESP8266, Power Circuit and Cabinet Design

Name of the Client: Er.S.Sivakumar

Approval No: EGSPCS/APP/EEE/2019/103

Dated: 23/01/2019

Billing Amount in Rs. 82,000

Payment through Cash /Cheque/DD No. 963742 - 23/01/2019  
963748 - 29/03/2019

Dated: 29/03/2019

Signature [Signature]

Name of P.I. : Dr.T.Suresh Padmanabhan, Prof / EEE

Department : EEE

[Signature]  
Director Consultancy Services HOD

Dr. V. MOHAN M.E., Ph.D.  
PROFESSOR & HEAD  
Department of Electrical & Electronics Engg.  
E.G.S. Pillay Engineering College - Nagapattinam

Ref: Copy of Job Approval Form



**CONSULTANCY WORK**  
**ONLINE TRAVEL BOOKING SYSTEM**

**CUSTOMER DETAIL**

**RAJIYA TRAVELS**  
**THIRUPOONDI, NAGAPATTINAM – 611 110**

**Coordinator(s)**

**Dr.P.Vijayalakshmi**  
**Ms.K.Nagalakshmi**  
**Mr.R.Anand Babu**

DEPARTMENT OF INFORMATION TECHNOLOGY  
E.G.S PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM – 611 002,  
TAMIL NADU

<http://www.egspec.org>

Ph: 04365 – 251112

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Consultancy Work**

**"ONLINE TRAVEL BOOKING SYSTEM"**

**CONTENTS**

<b>S. No</b>	<b>DETAILS</b>
1.	Requisition Letter with Institution and Department Profile
2.	Requisition Letter from Customer
3.	Covering letter along with Proposal
4.	Acceptance Letter from Customer
5.	Minutes of Meeting – 1
6.	Response Letter and Invoice from Department
7.	Feedback Letter from Customer
8.	Utilization Certificate

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM  
DEPARTMENT OF INFORMATION TECHNOLOGY**

**06/07/2018**

**Ref. No: EGSPEC/CW/IT/2018/01**

To

**The Managing Director**  
Rajiya Travels,  
Nagapattinam – 611001

Sir

Sub: Consultancy Work – Reg

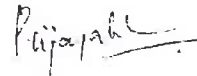
Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for Diesel Billing and Incentive calculator. This project focuses on management of medical lab data along with billing system. Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

Yours Sincerely



**Contact Details**

Dr.P.Vijayalakshmi  
Ms.K.Nagalakshmi  
Mr.R.Anand Babu  
Department of IT  
EGS Pillay Engineering College, Nagapattinam  
Email Id: noornilo@gmail.com  
Contact No: 8643856461

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## 1. INSTITUTION PROFILE

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E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2<sup>nd</sup> January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19<sup>th</sup> year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,.

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

### **UG Courses:**

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology



**PG Courses:**

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

**Vision:**

- Envisioned to transform our institution into a Global Center of Academic Excellence

**Mission:**

- To provide world class education to the students and to bring out their inherent talents
- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
- To have regular interaction with the the industries in the areas of R&D and offer consultancy training and testing services
- To establish center of excellence in the emerging areas of research
- To offer continuing education, and non-formal vocational education programmes that are beneficial to the society.

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## **2. DEPARTMENT PROFILE**

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The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars and workshop periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present papers at various colleges and many have won prizes in competitions.

### **Vision:**

- To produce globally competent information technologist and to inculcate values of leadership and research qualities in them

### **Mission:**

- To provide high quality Education to the students by our competent faculty members, effective teaching learning process and value added courses
- To create centres of excellence by interacting with industries for better employability and to contribute to the society through consultancy and R&D works.
- To improve the soft skill, interpersonal skill, ethical behavior and communication skill of students by involving them in team works and technical events.

### **PROGRAMME EDUCATIONAL OBJECTIVES**

- PEO1: Graduates will have knowledge and competency for successful careers in and related to Information Technology
- PEO2: Graduates will contribute to the design and implementation of software systems to solve real life problems in the society with an understanding of profession ethical standards
- PEO3: Graduates are motivated to proceed to higher studies in Engineering or other Professional fields and promote awareness of the life-long learning
- PEO4: Graduates will work and communicate effectively as individuals and as team members in multidisciplinary projects, research and development activities

## **PROGRAM SPECIFIC OUTCOMES**

The graduates will have

- PSO 1: Apply core aspects of Information Technology and programming paradigms in order to facilitate processing
- PSO 2: Provide solution to real world problems using Structured , Object Oriented Programming Languages and Open Source Software
- PSO 3: Solve Complex IT Problems as a Software Engineer, Software Analyst and Tester in IT and ITeS

## **PROGRAMME OUTCOMES**

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend

and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

### **Features of the Department**

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields
- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members



### **Laboratory facilities**

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

#### **Department Servers and Software Details**

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder
- Sybase
- Micosoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visaul Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

#### **Priority Research Areas**

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development

7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



## Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

**Rafeeq  
Director**

Ph: 98942 22141  
rajiya123@gmail.com

11/07/2018

To

HoD / IT  
Department of Information Technology  
EGS Pillay Engineering College  
Nagapattinam

Sir

Sub: Consultancy Work - Reg

Thank you for your interest. This project idea is very interesting and we can manage our medical data easily.

We accept your request. Kindly send your project proposal.

Thanking you

Kind regards

**Rajiya Travels**

## 1. PROJECT PROPOSAL

01	Title of the Project	:	<b>ONLINE TRAVEL BOOKING SYSTEM</b>
02	Type of the Project	:	Consultancy Work
03	Name & Designation of the Project Coordinators	:	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.R.Anand Babu
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	Contact No. 9486116002 Email: nagalakshmi@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S Pillay Engineering College, Nagapattinam
07	Customer Details	:	<b>Mr. Rafeeq</b> Director/Rajiya Travels Main Road, Thirupoondi Nagapattinam – 611110
08	Customer Contact Details	:	<b>Mr. RAFEEQ</b> 98942 22141` <a href="mailto:rajiya123@gmail.com">rajiya123@gmail.com</a>
09	Duration of the Project	:	Aug 2018 – Aug 2019
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
11	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
12	Project Work Plan	:	Enclosed separately – Annexure 3
13	Facilities available at the Institution / organization to carry	:	Open Source Lab, Cloud Campus, Android Apps development Centre...



	out the project		
14	Expected Outcome	:	Enclosed separately – Annexure 4

*Pijayab*

Signature of Project Coordinator(s)

*S. Manikandan*

**S. MANIKANDAN**  
 Head of Department  
 Department of Information Technology,  
 E.G.S. Pillay Engineering College,  
 Nagapattinam - 611002  
 Signature of the

Head of the Department  
 with Seal

*Dr. S. Ramabalan*

Signature of the  
 Head of the Institution  
 with Seal



**Dr. S. RAMABALAN, M.E., Ph.D.,**  
 Principal  
 E.G.S. Pillay Engineering College  
 Nagapattinam - 611 002

**Annexure - 1****DETAILS OF BUDGET**

<b>S.No</b>	<b>Description</b>	<b>Amount (in Rs.)</b>
<b>A</b>	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
<b>Total</b>		<b>48,000</b>
<b>B</b>	Preprocessing and Component Preparation	35,000
<b>Total</b>		<b>35,000</b>
<b>C</b>	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
<b>Total</b>		<b>25,000</b>
<b>D</b>	Travel	5,000
<b>E</b>	Total of A+B+C+D	1,13,000
<b>F</b>	Institutional overhead charges	7,000
<b>G</b>	<b>Total Cost of Project</b>	<b>1,20,000</b>

## **Annexure - 2**

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### **ABSTRACT**

The most important part of the online travel booking system project is its database. The database is full of Cars, Vans and its availability. Online travel booking system is a web based project where a user may search and apply for a travel service or package. The system allows the user to check various travel destinations and choose his destination accordingly. The software system checks for user choice and then queries the database for various available mediums to travel to that destination. The system then loads all that data and puts those choices in front of the user. The user can now choose various ways to reach his destination. When the user chooses Car or Van, the system also allows the user to book tickets to the destination for the desire day and timings. Thus this software system automates the working of a travel agency and allows users to check and book his holidays online through this website. One more important functionality available in this project is the receipt of holiday booking is sent to the users mobile phone on successful booking of his holiday.

### Annexure - 3

#### Work Plan

Phase	Cycle	Primary Objective	Scheduled start or milestone	Duration Estimate (calendar days)
Inception / Requirements Analysis	C1	<ul style="list-style-type: none"><li>✓ Analyzing Requirements</li><li>✓ Collecting Project Requirements</li></ul>	May – June 2018	38 days
Elaboration	C2	<ul style="list-style-type: none"><li>✓ Identifying Technical Assistant</li><li>✓ Installation and Setup</li></ul>	July – August 2018	32 days
Designing	C3	<ul style="list-style-type: none"><li>✓ Designing Prototype Model</li><li>✓ Project Review Status Preparation Submission</li><li>✓ Project Modules Preparation</li></ul>	September – October 2018	35 days
Implementation	C4	<ul style="list-style-type: none"><li>✓ Start to develop Coding each Modules</li><li>✓ Preparing Workspace model and verify with abstract.</li><li>✓ Identify the Risk and Measure the values of on it.</li></ul>	November – December 2018	45 days
Construction	C5	<ul style="list-style-type: none"><li>✓ Complete the Project and meet with Abstract</li><li>✓ Objectives and Outcome mapped with the Module</li><li>✓ Project Final Phase meeting</li></ul>	January – February 2019	45 days
Transitions /End	C6	<ul style="list-style-type: none"><li>✓ Preparing Documentation Part</li><li>✓ Final Project Presentation</li></ul>	March – May 2019	40 days



## **Annexure - 4**

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### **Expected Outcomes**

1. Provides the easiest reporting system for medical diagnostic laboratories.
2. A single module fits all system with synoptic reporting.
3. The reports can be fully customized as per the need of the laboratory.
4. The report is generated automatically from the patient information.
5. Have templates customized for each doctor.
6. The report is generated automatically and saves time from manual changes.
7. Historical chart shows the trend for a particular test over a period of time. This can be applied for any test.
8. Option to provide digital signatures on lab results.
9. Single click invoice generation
10. Compute Referral incentive with a single click. Referral is computed automatically from bill.
11. Detailed report on Test wise Turn Around Time.
12. View all outsourced tests with current status .
13. Data can be monitored at Patient wise, Test wise and Lab wise.
14. Shows the top 10 referrals who have provided the most income. Helps in identifying the pattern of referrals.
15. Shows which tests are booked frequently. Helps in planning for additional machines and additional personnel.
16. Shows trend of new patients over time. Helps in planning marketing activities.

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**MINUTES OF MEETING**

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**EGS Pillay Engineering College, Nagapattinam  
Department of IT**

**Minutes of Meeting**

<b>Consultancy Work</b>	
Title	Online Travel Booking System
Meeting No.	01
Date	20/08/2018
No. of Attendees	05
Venue	Department of IT –Faculty Room

**Members Present**

<b>S.No</b>	<b>Name of the Members</b>	<b>Designation/Dept</b>
01	Rafeeq	Director/Rajiya Travels
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

**Points Discussed**

<b>S.No</b>	<b>Points</b>
<b>The following points discussed in project meeting</b>	
01	Dr.P.Vijayalakshmi delivered welcome address
02	Mr.R.Anand Babu discussed project details.
03	Discussed with project details like objective, duration, project status monitoring....
04	Explained various levels in the sense of hardware and software profile and outcomes.
05	Signed Consultancy Assignment Proposal and Agreement form

**Minuted by: Prof.V.M. Suresh**  
**Copy to: Department file and Company**

  
**S. MANIKANDAN**  
**Head of Department**  
**Department of Information Technology,**  
**E.G.S. Pillay Engineering College,**  
**Nagapattinam - 611002**

**E.G.S Pillay Engineering College,  
Nagapattinam  
Department of Information  
Technology**

**Rajiya Travels  
Thirupoondi, Nagapattinam - Dt**

**Memorandum of Understanding  
(Consultancy Work Order)**

This Memorandum of Understanding is entered on this 20<sup>th</sup> August, 2018 between Rajiya Travels hereinafter called the party of the first part represented by branch manager

AND

Department of Information Technology, E.G.S Pillay Engineering College, Old Nagore Road, Nagapattinam District – 611 002, hereinafter called the party of the second part represented by E.G.S Pillay Engineering College hereinafter called the party of the second part.

We are happy to sign Memorandum of Understanding for the purposes of doing Consultancy work for the title "**ONLINE TRAVEL BOOKING SYSTEM**" the period from August 2018 to July 2019. And we accept and satisfies the requirements and it is very good platform for us.

This MOU effect from on 20/08/2018.



On behalf of

Director



On behalf of

Head of the Department

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**MINUTES OF MEETING**

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**EGS Pillay Engineering College, Nagapattinam  
Department of IT**

**Minutes of Meeting**

<b>Consultancy Work – Progress Analysis</b>	
Title	Online Travel Booking System
Meeting No.	04
Date	03/01/2019
No. of Attendees	03
Venue	Department of IT –Faculty Room

**Members Present**

<b>S.No</b>	<b>Name of the Members</b>	<b>Designation/Dept</b>
01	Rafeeq	Director/Rajiya Travels
02	Dr.P.Vijayalakshmi	Prof/IT
03	Ms.K.Nagalaksmhi	As.P/IT
04	Mr.V.M.Suresh	AP/IT
05	Mr.R.Anand Babu	AP/IT

**Points Discussed**

<b>S.No</b>	<b>Points</b>
<b>The following points discussed in project meeting</b>	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

**Minuted by: Prof.V.M Suresh**  
**Copy to: Department file and Company**

  
**HOD/IT**  
**S. MANTKANDAN**  
Head of Department  
Department of Information Technology,  
E.G.S. Pillay Engineering College,  
Nagapattinam - 611002





## Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

Rafeeq  
Director

Ph: 98942 22141  
rajiya123@gmail.com

18/03/2019

To

The HoD  
Department of IT  
EGS Pillay Engineering College  
Nagapattinam

Sir

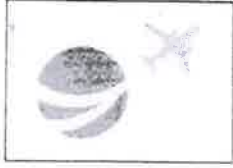
Sub: Consultancy Work – Reg

We are happy to inform you that we got very good result from your consultancy work. The coordinators are appreciated for completing this wonderful work our concern. Herewith I enclosed a copy of cheque for payment details for your reference. I hope this work is nice experience for us and in future you may increase number iteration as more as possible.

Thanking you

Kind regards

Director  
(Mr. RAFEEQ)  
**RAJIYA TRAVELS**  
THIRUPOONDI,  
NAGAPATTINAM - 611110



## Rajiya Travels

THIRUPOONDI, NAGAPATTINAM - 611 110

Rafeeq  
Director

Ph: 98942 22141  
rajiya123@gmail.com

03/08/2019

To

HoD/IT  
Department of IT  
EGS Pillay Engineering College  
Nagapattinam

Sir

Sub: Consultancy Work – Reg

We are happy to inform you that consultancy work Online Travel Booking System successfully running and it improves the booking system. It was very good experience for us and got good product from your esteemed institution. Also the coordinators are worked very well.

Kind regards

Director  
(Mr. RAFEEQ)

**RAJIYA TRAVELS**  
**THIRUPOONDI,**  
**NAGAPATTINAM - 611110**

**E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM  
DEPARTMENT OF INFORMATION TECHNOLOGY**

**04/08/2019**

**Ref. No: EGSPEC/CW/IT/2019/01**

**INVOICE**

<b>S.No</b>	<b>Description</b>	<b>Amount (in Rs.)</b>
<b>A</b>	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
<b>Total</b>		<b>48,000</b>
<b>B</b>	Preprocessing and Component Preparation	35,000
<b>Total</b>		<b>35,000</b>
<b>C</b>	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
<b>Total</b>		25,000
<b>D</b>	Travel	5,000
<b>E</b>	Total of A+B+C+D	1,13,000
<b>F</b>	Institutional overhead charges	7,000
<b>G</b>	<b>Total Cost of Project</b>	<b>1,20,000</b>

Yours Sincerely

EGS Pillay Engineering College, Nagapattinam  
Department of Information Technology

Utilization Certificate


<b>Name of the Project</b>	<b>Online Travel Booking System</b>
Name of the Coordinator(s)	Dr.P.Vijayalakshmi Ms.K.Nagalakshmi Mr.R.Anand Babu Mr.V.M.Suresh
<b>Name of the Agency</b>	<b>Rajiya Travels</b>
<b>Type of Project</b>	<b>Consultancy work</b>
Duration	August 2018 – August 2019
Project Cost	1,20,000

S.No	Description	Amount (in Rs.)
<b>A</b>	Salary for Project Coordinators (12 months*Rs.1000/pm)	36000
	Salary for Technical Assistant (12 months * Rs.1000/pm)	12000
<b>Total</b>		<b>48,000</b>
<b>B</b>	Preprocessing and Component Preparation	35,000
<b>Total</b>		<b>35,000</b>
<b>C</b>	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	25,000
<b>Total</b>		25,000
<b>D</b>	Travel	5,000
<b>E</b>	Total of A+B+C+D	1,13,000
<b>F</b>	Institutional overhead charges	7,000
<b>G</b>	<b>Total Cost of Project</b>	<b>1,20,000</b>

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

  
Name and Signature of the  
Coordinator



  
Name and Signature of  
Head of Institution  
With seal  
Dr. S. RAMABALAN, M.E., Ph.D.,  
Principal  
E G S Pillay Engineering College  
Nagapattinam - 611 002



**CONSULTANCY PROJECT**

**ON**

**“ONLINE BOOKING AND BUS TRACKING SYSTEM”**

**WORK DONE BY**

**Dr. J.VANITHA**

**PROFESSOR**

**Mrs.C.MALLIKA**

**ASSOCIATE PROFESSOR**

**DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

**E.G.S PILLAY ENGINEERING COLLEGE**

**NAGAPATTINAM - 611 002,**

**TAMIL NADU**

**<http://www.egspec.org>**

**Ph: 04365 - 251112**

**CUSTOMER ADDRESS**

**TNSTC OFFICE KARAIKAL**

**Pin Code 609602**

**E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**  
**NAGAPATTINAM – 611 002,**  
**ONLINE BOOKING AND BUS TRACKING SYSTEM**  
**TABLE CONTENT**

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## 1. INSTITUTION PROFILE

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E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2<sup>nd</sup> January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 19<sup>th</sup> year of excellent service in the year of 2014. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 6 PG degree programs in M.E including MBA and MCA.

The Programs are

### **UG Courses:**

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

### **PG Courses:**

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives

**Vision of the Institute**

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

**Mission of the Institute**

- i. To provide world class education to the students and to bring out their inherent talents
- ii. To establish state-of- the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes
- iii. To recruit competent faculty and staff and to provide opportunity to upgrade their
- iv. knowledge and skills
- v. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
- vi. To establish centers of excellence in the emerging areas of research
- vii. To offer continuing education and non-formal vocational education programmes that are beneficial to the society





**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)**  
**NAGAPATTINAM – 611002**  
Accredited by NAAC with 'A' Grade  
(An ISO 9001:2008 Certified Institution)  
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/BTS/01

Date: 02/07/2018

To

T. Rajkumar,  
Assistant Manager ,  
Karaikal, Puducherry- 609605.

Sir

Sub: Consultancy Work – Reg

Greetings from EGS Pillay Engineering College, Nagapattinam

We are happy to inform you that we are doing consultancy work for **ONLINE BOOKING AND BUS TRACKING SYSTEM**. This project focuses on to **manage the details of Bus, Ticket, Booking, Agent, Seats**. It manages all the information about Bus, Customer, Seats, and Bus. The project is totally built at administrative end and thus only the administrator is guaranteed the access. Herewith we send institution and department profile for your reference.

Hence we request you give a positive response from your side.

Thanking You

With regards

[Dr.J.Vanitha]

Contact Details

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.

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## 2. DEPARTMENT PROFILE

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The department of computer applications focuses on making industry ready IT professionals by imparting quality computer education along with excellent interpersonal skills. It offers 3 years Full time MCA course to the students. Started in the year of 2001, the course was approved by Bharathidasan University, Trichirappalli. In 2003, Anna University, Chennai recognized and approved the course. The current intake of students is 60 per academic year.

### DEPARTMENT VISION

To produce software professionals with Academic Excellence in Computer Applications

### DEPARTMENT MISSION

- To make software professionals and entrepreneurs by imparting quality computer education.
- To promote inter-disciplinary research among the faculty and the students to create state of art research facilities.
- To prepare the students to be professionally competent to face the challenges in the industry.

To promote quality and ethics among the students.

### Programme Educational Objectives (PEO)

The PEO of MCA programme are as follows.

PEO1: To employ solid foundation in mathematical and computing fundamentals and techniques to develop software solutions.

PEO2: To apply good computing breadth so as to comprehend, analyze, design and create computing solutions for the real-life problems and entrepreneurial skills with arich set of communication, teamwork and leadership skills to excel in their profession.

PEO3: To show continuous improvement in their professional career through life-long learning, understand the human values and ethics.

### IV Program Outcomes (PO)

#### Graduates will be able to

PO1: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2: Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3: Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9: Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

## V. Program Specific Outcomes (PSO)

### Graduates will be able to

**PSO 1:** Apply software engineering principles in the design and development of web and mobile applications

**PSO 2:** Manage and analyze huge volume of data in real world problems

### Features of the Department

- Ensures quality and value based education
- Provides career guidance by the associating experts in the different fields

- Is renowned for its meticulous planning concerted efforts, competent and committed teaching faculty
- Enables extension / guest-lectures by the expertise in the various disciplines concerned
- Conducts academic programmer like tests, symposia, workshops, seminars etc
- Academic competitions like Paper presentation, essay writing, quiz etc.,
- Tours of academic interests
- Taps innovative talents, interests of its wards
- Conducts Weekly test, Short Answer Test and offers continuous evaluation of the performance of the students
- Remedial classes for slow learners
- Time to Time counseling by mentors
- Challenges students with extensive coaching of wide-ranging difficulty levels by conducting APTITUDE, REASONING tests
- Conducts class committee meetings
- Holds Parent-Teacher meetings
- Encourage the students to donate blood
- Conducts ENGLISH LITERARY ASSOCIATION PROGRAMME for the staff and students
- Ensure students participation in the Women Empowerment cell programs
- Sponsors the faculty for International/National Conferences/Seminars/Workshops, etc
- Personality development programs are conducted to improve student's soft skills
- Students are encouraged to do mini projects
- The department library has an extensive collection of academic books in the areas of latest technologies
- The department has stable, highly qualified and experienced staff members in the staff student ratio of 1:15

### **Laboratory facilities**

Each laboratory is fully equipped to meet the requirement of Anna University Syllabi. The students can train themselves in the Laboratories with the guidance of the faculty during and after the college hours. The laboratory facilities are constantly upgraded to take care of the technological Changes in the respective disciplines.

#### **Department Servers and Software Details**

- Microsoft Windows Server 2003
- Linux Fedora v19
- Oracle 11i Data base Server Workstations
- 471 Core i3 and Pentium based systems with multimedia facilities
- Capable of getting connected to all server and every other systems over TCP/IP backbone
- All systems having access with Internet/Intranet
- Software
- Microsoft Windows Server 2003
- CentOS 5.3 (For C & C++ programming and Script languages)
- Free BSD
- Oracle 11i
- IBM DB2
- PowerBuilder



- Sybase
- Microsoft Office 2007
- Microsoft Visual Studio 6.0
- Microsoft Visual Studio 2010
- Mathematica
- IDL (Image Processing Tools)
- MathCAD
- IBM Rational Suite and IBM Rational Architect
- Macromedia Flash and Dreamweaver
- Front Page Express
- Novell Netware
- Adobe Photoshop
- Network Simulator – 2 (Free Ware for Both Windows and Linux)
- .netbeans Developer
- Sun JDK, J2EE and J2ME
- Internet Facilities
- 16 Mbps leased line from Reliance

**Priority Research Areas**

1. Cloud Computing
2. Data Analysis
3. Data Mining and Warehousing
4. Network Security
5. Image Processing
6. Mobile Application Development
7. Ubiquitous Computing
8. Sensor Computing
9. Natural Language Processing
10. Green Computing



Ref.No: BTS /CW/2018/Pro1/01

Date :10/07/2018

To

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.

Respected Madam,

As a conversational expression of gratitude, we received your requisition letter. We are in necessitate of “**ONLINE BOOKING AND BUS TRACKING SYSTEM**” software for our company to foreshorten the manual work , since there are more number of customers in our company, hope your project will satisfy our requirements.

We are contrived to accept your request. We are waiting for more details about your project as early as possible.

Thanking You,

Yours truly,

[T. Rajkumar ]



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)**  
**NAGAPATTINAM - 611002**  
Accredited by NAAC with 'A' Grade  
(An ISO 9001:2008 Certified Institution)  
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/ BTS /02

Date: 6/08/2018

To

T. Rajkumar ,  
Assistant Manager,  
Karaikal, Puducherry -609605.

Respected Sir,

Sub: Consultancy Work – Reg.

We have attached accomplished project proposal according to your kind reference, we hope that our project will be successful if have good communication between us. So, I kindly request you to fix one date for discussing the project details. In this meeting we will discourse the following project requirements, documentation, reporting, budget and any further details need by you. We are waiting for your positive reply.

Thanking you

With regards

  
[Dr.]Vanitha]

Contact Details

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.



**Ref.No: BTS /CW/2018/Pro1/02**

**Date: 23/08/2018**

To

Dr. J.Vanitha,  
Professor/HOD,  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.

Respected madam,

Thanks for your concern. It will be favour for us if you can unionize the review meeting for the discussion of project proposal on 03/08/2018. We hereby put the demand of following details such as project coordinators details, evaluation model and completed status for each module. I hope two more review will be arranged to check the progress of your consultancy work. It will be tentatively on 12.09.2018 and 13.09.2018. We would like to furnish the following requirements of us.

1. Mobile GPS Location identifier
2. Use of Bluetooth printing to help the bus employee.
3. Use of QR code to uniquely identify each passenger.

Thanking You,

Yours truly,

[T. Rajkumar ]





**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)  
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Ref.No: EGSPEC/MCA/CW/2018/ BTS /03

Date: 13/09/2018

To

T. Rajkumar  
Assistant Manager  
Karaikal, Puducherry 609605

Respected Sir,

Sub: Consultancy Work – Reg.

We have successfully completed the systemized entry details, automatically show the rest of goods, SMS facility as per your requirements please kindly ensure and intimate us immediately for any changes. The remaining modules will be completed as early as possible.

Thanking You,

With regards

[Dr. J.Vanitha]

Contact Details

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.



Ref.No: BTS /CW/2018/Pro1/03

Date: 21/09/2018

To

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.

Respected madam,

Thank you, we are satisfied with your project that you have so far completed. It will be reformative to us if you complete the forth coming module within the tentative date near the deadline.

Thanking you,

Yours truly,

A handwritten signature in blue ink, appearing to be 'T. Rajkumar', is written over a light blue circular stamp.

[ T. Rajkumar ]



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)**  
**NAGAPATTINAM - 611002**  
Accredited by NAAC with 'A' Grade  
(An ISO 9001:2008 Certified Institution)  
(Approved by AICTE, New Delhi-Affiliated to Anna University, Chennai)



Ref.No: EGSPEC/MCA/CW/2018/ BTS /04

Date: 17/10/2018

To

The Manager ,  
Karaikal, Puducherry -609605.

Respected Sir,

Sub: Consultancy Work - Reg.

It gives me heart full of happiness to inform that our students has successfully completed the project work "**ONLINE BOOKING AND BUS TRACKING SYSTEM.**", this project has been verified in our Department premises and worked properly.

We request you to make yourself convenient to see the demonstration of the "**ONLINE BOOKING AND BUS TRACKING SYSTEM**" and thereafter to release the payment **36000/-** for this project.

Thanking You

With regards

[Dr. J.Vanitha]

Contact Details

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.



Ref.No: BTS /CW/2018/Pro1/04

Date: 20/12/2018

To

Dr. J.Vanitha  
Professor/HOD  
Department of MCA,  
E.G.S.Pillay Engineering College,  
Nagapattinam.

Respected Madam,

We congratulate you and your team for successful completion of the **“ONLINE BOOKING AND BUS TRACKING SYSTEM”** software as per our requirements. We have completely satisfied with the performance of the software after the demonstration given by your team to us on 23.11.2018.

Hence, as discussed, we have enclosed a cheque No.000652, date 05 .01.2019 of Indian Bank for Rs. **36,000**- favouring “The Principal, EGSPEC, Nagapattinam”.

We once again felicitate the students who have taken the project work and the staff member.

Thanking you

Yours truly,

[ T. Rajkumar ]



**PROJECT PROPOSAL**

01	Title of the Project(Consultancy)	:	<b>ONLINE BOOKING AND BUS TRACKING SYSTEM</b>
02	Type of the Project	:	Consultancy Project
03	Name & Designation of the Project Coordinators	:	<b>Dr.J.Vanitha Professor/HOD/MCA</b>
04	Postal Address of the Principal Investigator	:	Old Nagore Road, Thethi Village, Nagore – Post, Nagapattinam – 611 002
05	Contact Phone numbers of the Project Coordinators	:	<b>Dr.J.Vanitha Professor/HOD/MCA</b> Project Coordinator Contact No. 9443728519 Email: vanitha@egspec.org
06	Name of the Institution / Organization in which the project will be carried out	:	E.G.S.Pillay Engineering College, Nagapattinam
07	Duration of the Project	:	July2018 – Dec2018 (6 months)
08	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Enclosed separately – Annexure 1
09	An abstract, not exceeding one page describing the background, objectives methodology & year wise budget	:	Enclosed separately – Annexure 2
10	Project Work Plan	:	Enclosed separately – Annexure 3
11	Facilities available at the Institution / organization to carry out the project	:	Open Source Lab, Cloud Campus, Android Apps development Centre

Place: Nagapattinam

Date: 02.07.2018

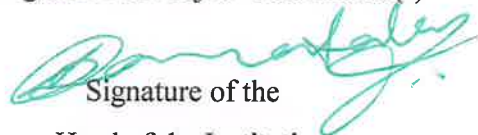


Signature of the  
Head of the Department  
with Seal

**Dr.J. VANITHA**  
Head of the Department  
Department of MCA  
E.G.S. Pillay Engineering College  
Nagapattinam - 611 002.



Signature of Project Coordinator(s)



Signature of the

Head of the Institution  
with Seal

**Dr. S. RAMABALAN, M.E., Ph.D.,**  
**PRINCIPAL**  
**E.G.S. PILLAY ENGINEERING COLLEGE**  
**NAGAPATTINAM - 611 002.**

**Annexure - 1****DETAILS OF BUDGET**

<b>S.No</b>	<b>Itemized list of expenses Incurred</b>	<b>Amount (Rs)</b>
1.	Remuneration for two Project Coordinators (12 months*Rs2000/pm) * 2	4000
2.	Remuneration for Technical Assistant (6 months * Rs.500/pm)	3000
3.	Preprocessing and Component Preparation	5,000
5.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
6.	Travel	3000
7.	Institutional overhead charges	7000
	<b>Total expenses incurred</b>	<b>36000</b>
	<b>Income generated through Consultancy</b>	<b>36000</b>

## Annexure - 2

---

### ABSTRACT

Due to immense development in technology, every field is making the best use of technology so why not our public bus transportation. Today's transportation system still uses the traditional ways for ticketing. Also people need to stand in queues for long hours. Therefore user needs a smart system which provides real time information of bus and gives an easy way to purchase a ticket. So we proposed a new android application which overcomes the disadvantages of the current public transportation system. Our application will handle all the data like current location of bus, punching of bus-passes having QR code, On-time ticketing using E-wallet or cash Ticket generation with the help of Blue-tooth printing. The real time tracking of bus can be done by our proposed system and this information is then given to remote user. Technologies like QR-Code (Quick Response code), Blue-tooth printing, GPS (Global Positioning System), Cloud, E-wallet are used for development purpose. Our system provides an Android application, which gives bus pass with QR code, real time location of bus to user.

#### 1. Hardware Setup:

Processor : i3 processor  
Ram : 4GB  
Bluetooth Printer  
Battery: 2000mAh, rechargeable lithium battery  
Line Thermal Printer  
Android mobile device

#### 2. Software Setup:

Operating system: Windows XP or higher  
Android studio(version 2.1.0)  
XML and SQLite for database

**Annexure - 3**

## Work Plan

<b>Phase</b>	<b>Primary Objective</b>	<b>Scheduled start or milestone</b>
Planning/ Requirement Analysis	<ul style="list-style-type: none"> <li>✓ Analyzing Requirements</li> <li>✓ Collecting Project Requirements</li> </ul>	July 2018
Elaboration	<ul style="list-style-type: none"> <li>✓ Identifying Technical Assistant</li> <li>✓ Installation and Setup</li> <li>✓ Purchasing</li> </ul>	August 2018
Designing	<ul style="list-style-type: none"> <li>✓ Designing Prototype Model</li> <li>✓ Project Review Status Preparation Submission</li> <li>✓ Project Modules Preparation</li> </ul>	September 2018
Implementation	<ul style="list-style-type: none"> <li>✓ Start to develop Coding each Modules</li> <li>✓ Identify the Risk and Measure the values of on it.</li> </ul>	October 2018
Construction	<ul style="list-style-type: none"> <li>✓ Complete the Project and meet with Abstract</li> <li>✓ Project Final Phase meeting</li> </ul>	November 2018
Transitions /End	<ul style="list-style-type: none"> <li>✓ Preparing Documentation Part</li> <li>✓ Final Project Presentation</li> </ul>	December 2018



## **EXPECTED OUTCOME**

Through our system we can systematically work to achieve the following expected outcomes.

1. The conductor will first Login to the application
2. After boarding the bus the passenger is asked for his destination.
3. Then conductor will enter the route details as per passenger's requirement.
4. According to the route amount would be charged.
5. If the passenger has bus-pass then the QR-Code would be scanned from conductor mobile app.
6. Then the app would check bus pass status and for that particular day the pass will get punched from the database.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM  
DEPARTMENT OF MCA**

**UTILIZATION CERTIFICATE**

<b>Name of the Project</b>	<b>ONLINE BOOKING AND BUS TRACKING SYSTEM</b>
<b>Name of the Coordinator(s)</b>	Dr.J.Vanitha Professor/HOD-MCA Mrs. C.Mallika
<b>Name of the Agency</b>	TNSTC
<b>Type of Project</b>	Consultancy work
<b>Duration</b>	July 2018 -December 2018
<b>Project Cost</b>	36000

This certificate is an acknowledgment of the expenditure incurred in executing the consultancy work mentioned above. The accounts are duly submitted to the R&D Cell and verified by the principal.

<b>S.No</b>	<b>Itemized list of expenses Incurred</b>	<b>Amount (Rs)</b>
1.	Remuneration for two Project Coordinators (12 months*Rs.2000/pm) * 2	4000
2.	Remuneration for Technical Assistant (12 months * Rs.1000/pm)	3000
3.	Preprocessing and Component Preparation	5,000
5.	Data collection, Requirement Analysis, Designing, Prototype model, Testing and Maintenance	10,000
6.	Travel	3000
7.	Institutional overhead charges	7000
	<b>Total expenses incurred</b>	<b>36,000</b>
	<b>Income generated through Consultancy</b>	<b>36,000</b>

1. Dr.J.Vanitha Professor/MCA/HOD
2. Mrs.C.Mallika AP/MCA

  
Name and Signature  
of Coordinator

  
Name and Signature of  
Head of Institution  
With seal

Signature (With Seal) of the Auditor/Accounts Officer

**Dr. S. RAMABALAN, M.E., Ph.D.,**  
**PRINCIPAL**  
**E.G.S. PILLAY ENGINEERING COLLEGE**  
**NAGAPATTINAM - 611 002.**

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**MINUTES OF MEETING**


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**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
, NAGAPATTINAM  
DEPARTMENT OF MCA**

**Minutes of Meeting**

Consultancy Work	
Title	<b>ONLINE BOOKING AND BUS TRACKING SYSTEM</b>
Ref.No	<b>EGSPEC/MCA/CW/2018/BTS/01</b>
Meeting No.	01
Date	13.08.2018
No. of Attendees	05
Venue	Department of MCA-Faculty Room

**Members Present**

S.No	Name of the Members	Designation/Dept	Signature
01	Dr.J.Vanitha	<b>Professor/MCA/HOD</b>	
02	Mrs.C.Mallika	<b>AP/MCA</b>	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

**Points Discussed**

S.No	Points
<b>The following points discussed in project meeting</b>	
01	Dr.J.Vanitha Prof/MCA -welcoming the company people
02	Mrs. C.Mallika AP/MCA discussed project details with company people
03	Minutes of last meeting reviewed
04	Arranged lab for testing components with Tech Asst.
05	Discussed project planning status requirements, designing prototype, completed components and documentation part.

  
**HOD/MCA**

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**MINUTES OF MEETING**


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**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM  
DEPARTMENT OF MCA**

**Minutes of Meeting**

<b>Consultancy Work</b>	
Title	<b>ONLINE BOOKING AND BUS TRACKING SYSTEM</b>
Ref.No	<b>EGSPEC/MCA/CW/2018/BTS/02</b>
Meeting No.	02
Date	13.09.2018
No. of Attendees	05
Venue	Department of MCA-Faculty Room

**Members Present**

<b>S.No</b>	<b>Name of the Members</b>	<b>Designation/Dept</b>	<b>Signature</b>
01	Dr.J.Vanitha	<b>Professor/MCA/HOD</b>	
02	Mrs.C.Mallika	<b>AP/MCA</b>	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

**Points Discussed**

<b>S.No</b>	<b>Points</b>
<b>The following points discussed in project meeting</b>	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

  
**HOD/MCA**



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**MINUTES OF MEETING**


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**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
NAGAPATTINAM  
DEPARTMENT OF MCA**

**Progress Analysis Meeting**

<b>Consultancy Work</b>	
Title	<b>ONLINE BOOKING AND BUS TRACKING SYSTEM</b>
Ref.No	<b>EGSPEC/MCA/CW/2018/BTS/02</b>
Meeting No.	03
Date	10.10.2018
No. of Attendees	05
Venue	Department of MCA -Faculty Room

**Members Present**

<b>S.No</b>	<b>Name of the Members</b>	<b>Designation/Dept</b>	<b>Signature</b>
01	Dr.J.Vanitha	<b>Professor/MCA/HOD</b>	
02	Mrs.C.Mallika	<b>AP/MCA</b>	
03	T. Rajkumar	Assistant manager/ TNSCT	
04	Mr.J.Jayakumar	(Technical Assistant)	
05	820816621305-Archana	Student	

**Points Discussed**

<b>S.No</b>	<b>Points</b>
<b>The following points discussed in project meeting</b>	
01	Discussed with major and minor problem displayed.
02	Recommendation and Action taken points are discussed.
03	Discussed with details of further work

  
**HOD/MCA**



Branch: THANE  
THANE, Maharashtra 400600  
IFSC Code: INIB000T129

20/12/2018  
D D M M Y Y Y Y

The Principal E. G. S Pillay Engineering College  
Thirty Six Thousand Only/-

₹ 36,000/-

अदा करें

FOR

6029118258

CBS Code: 01591

AUTHORISED SIGNATORYIES  
Please sign above

# E.G.S. PILLAY ENGINEERING COLLEGE,

Nagapattinam - 611 002.

## VOUCHER

Dept :  
LabMS :

Vf. No.:

Date : 29/12/2018

Particulars	Rs.	Pg.
Paid to Thiru <i>Dr. J. Vaidya, Mrs. L. Mallika</i>		
Towards..... <i>Consultancy Project E Online</i>		
..... <i>Boating and Bus Tracking System</i>	36,000	—
A sum of Rupees .....		
<i>Thirty Six Thousand only</i>	36,000	—

Received payment

*(Signature)*  
Signature of Payee

*(Signature)*  
Accounts Supdt.

Secretary

*(Signature)*  
Principal