



# G.S. PILLAY & SONS CHARITABLE AND EDUCATIONAL TRUST

Head Office: 47, Perumal Sannathi Street, Nagapattinam - 611 001. Tamilnadu.

Ph : 04365 251 112 - 251 114 www.egspec.org.

213

E.G.S. Pillay Engineering College  
E.G.S. Pillay Polytechnic College  
E.G.S. Pillay Arts & Science College  
E.G.S. Pillay College of Education

E.G.S. Pillay College of Pharmacy  
E.G.S. Pillay College of Nursing  
E.G.S. Pillay College of Medical Sciences  
E.G.S. Pillay School of Nursing

E.G.S. Pillay Nursery & Primary School  
E.G.S. Pillay Matriculation School  
Nagore Andavar Nurser and Prlmay School  
EGSPJ International School (CBSE)

Vijay  
Hospital

Shri.S.PARAMESVARAN, MCOM,FCCA

SECRETARY

TO

REF/EGSP/2021/208

12/10/2021

BROADCAST ENGINEERING CONSULTANT INDIA LIMITED

BECIL BHAWAN, SECTOR 2,NOIDA-201307

UP

SIR

REF: QUOTATION NUMBER-BECIL/CRS/EGSPEC/2021

we would like to place the order for following items

| S. No. | Description  | Qty | Unit    | Unit rate | Total value |
|--------|--|-----|---------|-----------|-------------|
|        |  |     |         | (Rs)      | (Rs)        |
| (A)    | Acoustics Treatment  |     |         |           |             |
| 1      | Supply and fixing of acoustic treatment  | 399 | Sq. ft. | 275       | 109725      |
| 2      | Skirting (4-inch height)   | 88  | R ft.   | 130       | 11440       |
| (B)    | False Ceiling  |     |         |           |             |
| 1      | Supply and fixing of false ceiling with<br>Armstrong<br>0.65 NRC 600mm x 600mm tiles on metal frame<br>work. | 244 | Sq. ft. | 150       | 36600       |
| (C)    | Flooring   |     |         |           |             |
| 1      | Supply and fixing of 2 mm thick PVC roll on the<br>cemented floor  | 244 | Sq. ft. | 110       | 26840       |
| (D)    | Door & Window  |     |         |           |             |
| 1      | Supply and fixing of acoustic door and<br>chowkhat   | 1   | No.     | 68000     | 68000       |
| 2      | Supply and fixing of non-acoustic door   | 1   | No.     | 28000     | 28000       |
| 3      | Hydraulic door closer  | 2   | No.     | 7500      | 15000       |
| 4      | Supply and fixing of acoustically treated<br>observation   | 1   | No.     | 38000     | 38000       |

ATTESTED

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

E.G.S. Pillay-Engineering College,  
Thethi, Nagore - 611 002.



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|   |   |     |       |       |          |  |
|---|---|-----|-------|-------|----------|--|
|   | window of size 4'x3'  |     |       |       |          |  |
| 5   | Anti-termite treatment  | 1   | Job   | 12000 | 12000    |  |
| (E)   | Technical Furniture   |     |       |       |          |  |
| 1   | Supply and fixing of on-air studio table  | 1   | No.   | 38000 | 38000    |  |
| 2   | Supply and fixing of transmitter table  | 1   | No.   | 18000 | 18000    |  |
| (F)   | Electrical  |     |       |       |          |  |
| 1   | Supply and fixing of electrical TPN distribution box  | 1   | Job   | 36000 | 36000    |  |
|   | including LED light (1x1)   |     |       |       |          |  |
| 2   | Supply & laying of electrical wiring, cabling and fixing                                      | 1   | Job   | 24500 | 24500    |  |
| 3   | Earthing (for audio & transmitter)  | 2   | Nos.  | 20000 | 40000    |  |
| (G)   | Paint & Polish  |     |       |       |          |  |
| 1   | Paint on white full tone board & on plain wall with plastic emulsion paint to give even shade | 625 | Sq ft | 50    | 31250    |  |
| 2   | Polish on veneer with French sprit polish on chowkhat, studio table with French sprit polish  | 262 | Sq ft | 80    | 20960    |  |
|   | Sub Total   |     |       |       | 554315   |  |
|   | GST @ 18%   |     |       |       | 99777    |  |
|   | Grand Total   |     |       |       | 6,54,092 |  |
| Six Lakh Fifty Four Thousand Eight Hundred Seventy-Seven Only |   |     |       |       |          |  |

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,  
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E.G.S. Pillay Engineering College,  
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Nagapattinam (Dt) Tamil Nadu.



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|    |  |                            |   |       |       |                 |
|----|--|----------------------------|---|-------|-------|-----------------|
| A  | On Air cum production studio equipment   |                            |   |       |       |                 |
| 1  | 16 channel analog audio mixer  | Yamaha/equivalent          | 1 | 29000 | 5220  | 34220           |
| 2  | Studio monitor   | M audio/JBL/<br>equivalent | 1 | 24500 | 4410  | 28910           |
| 3  | Professional condenser<br>microphone for host  | MXL/Icon/equivalent        | 1 | 9000  | 1620  | 10620           |
| 4  | RJ Microphone stand  | Hawk/equivalent            | 1 | 3100  | 558   | 3658            |
|    | Professional dynamic<br>microphone for guest   | AKG/equivalent             | 3 | 15600 | 2808  | 18408           |
| 6  | Table top mic stand  | GS                         | 3 | 2250  | 405   | 2655            |
| 7  | Studio headphone   | Sennheiser/equivalent      | 4 | 7800  | 1404  | 9204            |
| 8  | Audio distribution amplifier   | Customized                 | 1 | 9500  | 1710  | 11210           |
| 9  | Headphone distribution<br>amplifier  | Customized                 | 1 | 9000  | 1620  | 10620           |
| 10 | 4 Channel Soundcard  | Tascam/Motu/<br>equivalent | 1 | 19000 | 3420  | 22420           |
| 11 | Single line telephone hybrid   | Comcon Multicom 5          | 1 | 38500 | 6930  | 45430           |
| 12 | Equipment mounting<br>arrangement  | Customized                 | 1 | 5000  | 900   | 5900            |
| 13 | Field recorder   | Tascam DR05                | 1 | 10500 | 1890  | 12390           |
| 14 | Installation material including<br>audio, microphone cable,<br>connecters (XLR, EP, TRS etc) | Standard                   | 1 | 60000 | 10800 | 70800           |
|    | <b>Sub Total 'A'</b>   |                            |   |       |       | <b>2,86,445</b> |

**ATTESTED**

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

**E.G.S. Pillay Engineering College,  
Thathi Nagore, 611 002,  
Nagapattinam (Tamil Nadu)**



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|   |   |                     |   |        |       |                        |
|---|---|---------------------|---|--------|-------|------------------------|
| C | Stereo audio processor  |                     |   |        |       |                        |
| 1 | Stereo audio processor  | Inovonics Novia 262 | 1 | 145000 | 26100 | 171100                 |
|   | <b>Sub Total 'C'</b>  |                     |   |        |       | <b>1,71,100</b>        |
| D | Services  |                     |   |        |       |                        |
| 1 | Professional services required for installation, testing and commissioning of entire facility | BECIL               | 1 | 100000 | 18000 | 118000                 |
| 2 | Transit insurance & freight   | Courier/transport   | 1 |        |       | As per actual expenses |
|   | <b>Sub Total 'D'</b>  |                     |   |        |       | <b>1,18,000</b>        |

1.interior studio works for the estimated room size: 6,54,092+

2 on air-cum production studio equipment :2,86,455

3 stereo audio processor :1,71,100

4 services :1,18,000

**GRAND TOTAL :12,29,647 .00/**

**RS Twelve Lakh Twenty Nine Thousand Six Hundred Fourty Seven Only**

## Terms And Condition

|   |         |   |  |
|---|---------|---|--|
| 1 | Price   | : | Prices are exclusive of Octroi/entry tax of the state or any other charges to be paid locally, which will be claimed extra at actual (wherever applicable) |
| 2 | Billing | : | The estimated bill of material / equipment is taken based upon preliminary assumption of requirement of community radio operation. However, the exact      |

**ATTESTED**  
  
**Dr. S. RAMABALAN, M.F. Ph.D.,**  
**PRINCIPAL**  
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Nagapattinam (Dt) Tamil Nadu.



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Hospital

|   |          |   |   |  |  |  |  |  |  |
|---|----------|---|---|--|--|--|--|--|--|
|   |          |   | requirement and number of items/equipment can be decided by the end user.   |  |  |  |  |  |  |
| 3 | Tax      | : | Shown above as per the current prevailing rate  |  |  |  |  |  |  |
| 4 | Payment  | : | a) 100% payment with order.   |  |  |  |  |  |  |
|   |          |   | b) After the completion of the project, BECIL shall submit the tax invoice based upon the actual expenses. Accordingly, the balance payment shall be released by College. |  |  |  |  |  |  |
| 5 | Delivery | : | Interior work to be started within 2-3 weeks from the date of order & advance payment.  |  |  |  |  |  |  |
|   |          |   | Equipment shall be ready to dispatch within 4-5 weeks and commissioning is expected to be completed by 8-9 weeks from the date of order and advance payment.              |  |  |  |  |  |  |
| 6 | Warranty | : | Equipment would be under warranty for any manufacturing defects for the period of 12 months from the date of invoicing.   |  |  |  |  |  |  |
| 7 | Validity | : | The rates given are valid for 90 days, the make/model and rates may differ during actual purchase.  |  |  |  |  |  |  |

*Praviraj*  
GM (OPERATION)

(contact person: ma haja mohideen, cell:7373067023,email id:purchase@egspec.org)

G.S. PILLAY GROUP OF INSTITUTIONS

PRE AUDIT

VERIFIED

*S. Paramesvaran*

SECRETARY

E.G.S. Pillay Group of Institutions,  
Nagapattinam - 611 002.

ATTESTED

*[Signature]*  
Dr. S. RAMABALAN, M.E., Ph.D.,  
PRINCIPAL

E.G.S. Pillay Engineering College,  
Thethi, Nagore - 611 002.  
Nagapattinam (Dt) Tamil Nadu.



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

Nagapattinam - 611 002, Tamilnadu, India.

Provisionally Accredited by NBA (CSE, EEE & Mech) / Accredited by NAAC with 'A' Grade

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

An ISO 9001 : 2015 Certified Institution

Website: www.egspec.org, Email: principal@egspec.org, Ph: (04365) 251112, Fax: (04365) 251114

**Shri. S. Paramesvaran**  
Secretary

03/06/2020

Ref: EGSPEC/CRS/2020/PO-01

To,  
**M/s Broadcast Engineering Consultants India Limited**  
14-B, I. P. Estate,  
Ring Road, New Delhi-110002

**Subject: Order for supply and installation of transmission equipment for CRS at "E.G.S. Pillay Engineering College, Old Nagore Road, Thethi Village, Nagapattinam-611002, Tamilnadu"**

Dear Sir,

With reference to your offer for supply of transmission equipment for Community Radio Station; we are pleased to place the order for the equipment as per details given below and terms & conditions given at "Annexure A".

| Sr No | Description   | Make/Model                       | Qty    | Unit Price (Rs) | Total price (Rs.)   |
|-------|---|----------------------------------|--------|-----------------|---------------------|
| 1.    | 50 W FM transmitter in 1+1 configuration  | BECIL (CRS FM- 50)               | 2 Nos. | 1,41,017        | 2,82,034            |
| 2.    | 2 Bay FM broadcast antenna  | BECIL (CRS-FDP-2)                | 1 No.  | 1,03,051        | 1,03,051            |
| 3.    | Low loss RF cable   | SL 1/2"                          | 1 No.  | 18,000          | 18,000              |
| 4.    | 9RU 19" equipment rack  | Comrack                          | 1 Set  | 8,305           | 8,305               |
| 5.    | Manual changeover for transmitters  | Customized                       | 1 No.  | 4,400           | 4,400               |
| 6.    | 100W dummy load   | Twin                             | 1 No   | 8,900           | 8,900               |
| 7.    | 30 Mtrs self-supporting tower (galvanized steel structure) on ground including aviation light, lighting arrestor etc. | Customized (as per BECIL design) | 1 Job  | 4,00,000        | 4,00,000            |
| 8.    | Broadcast audio processor   | Inovonics/ equivalent            | 1 No   | 1,30,000        | 1,30,000            |
| 9.    | Charges towards installation, testing, antenna hoisting and commissioning   | BECIL                            | 1 Job  | 75,000          | 75,000              |
| 10.   | Audio streaming over internet (internet radio)  | BECIL                            | 1 No   | 30,000          | 30,000              |
|       | Charges towards transit insurance & transportation till actual site   | Cargo/Courier                    | 1 Job  | -               | -                   |
|       | <b>Sub Total</b>  |                                  |        |                 | <b>10,59,690.00</b> |
|       | <b>GST@18%</b>  |                                  |        |                 | <b>1,90,744.00</b>  |
|       | <b>Total</b>  |                                  |        |                 | <b>12,50,434.00</b> |

**Total: Rupees twelve lakhs fifty thousand four hundred and thirty four only.**

You are requested to supply these equipment and issue the **Tax Invoice** in the name of "E.G.S. Pillay Engineering College, Old Nagore Road, Thethi Village, Nagapattinam-611002, Tamilnadu"  
Kindly acknowledge receipt of this order.

Chev.S.Paramesvaran, Secretary

*S. Paramesvaran*  
SECRETARY

G.S. Pillay & Sons Charitable and Educational Trust

**ATTESTED**

*[Signature]*  
Dr. S. KAMABALAN, M.E., Ph.D.  
PRINCIPAL


E.G.S. Pillay Engineering College,  
Thethi Nagore - 611 002,  
Nagapattinam, (Dt) Tamil Nadu.

Annexure 'A'

Terms & Conditions

|    |                              |   |   |
|----|------------------------------|---|---|
| 1  | <b>Price</b>                 | : | Prices are inclusive of taxes as applicable.  |
| 2. | <b>Transportation Charge</b> | : | These items to be dispatched through well-known transport / courier, however the charges will be paid extra as mentioned above for the shipment of material till our site.        |
| 3. | <b>Payment</b>               | : | 50% advance payment along with purchase order.<br>DD/UTR No. _____ Dated _____ for<br>Rs. _____ (Rs _____ Only)   |
| 4. | <b>Delivery period</b>       | : | Equipment must be ready to dispatch within 6-8 weeks after this order. Advance payment.<br>Copy of frequency allocation (decision letter) would be shared once received from WPC. |
| 5. | <b>Warranty</b>              | : | Equipment shall be under warranty for period of 12 months from the date of supply.  |

ATTESTED

  
Dr. S. RAMABALAN, M.E., Ph.D.,  
PRINCIPAL  
E.G.S. Pillay Engineering College,  
Thethi, Nagore - 611 002.  
Nagapattinam (Dt) Tamil Nadu.



ब्रॉडकास्ट इंजीनियरिंग कंसल्टेंट्स इंडिया लिमिटेड  
(पूर्वतन एन बी ई सी) (भारत सरकार के अधीन - भारत सरकार का स्वयंसेवक (पब्लिक सेक्टर एंटरप्राइज) (CIN - U32301UP1995GG0017744)

**BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED**

(A Government of India Enterprise - Under Ministry of Information & Broadcasting) (A Mini Public Company)  
पब्लिक सेक्टर एंटरप्राइज - बी. ई. सी. / ए. ई. सी. (भारत सरकार के अधीन) (पब्लिक सेक्टर एंटरप्राइज) - एन बी ई सी  
Registered & Corporate Office: BECIL BHAWAN, D-56/A-12, Sector-62, Noida-201307 (U.P.), Tel: +91 120 4177880, Fax: +91 120 4177879



BECIL/CRS/EGSPEC/2021

March 06, 2021

To,  
EGS Pillay Engineering College  
Old Nagore Road, Thethi Village  
Nagapattinam-611002, Tamilnadu

**Subject:** Revised proposal for basic set up of Community Radio Station facility at EGS Pillay Engineering College, Thethi Village, Nagapattinam-611002, Tamilnadu

Respected Sir,

In continuation to the proposal submitted vide BECIL letter no: BECIL/CRS/EGSPEC/2020 dated 03/03/2021, regarding set up of community radio facility at EGS Pillay Engineering College, a basic requirement of transmission equipment was proposed, supplied and installed, we would like to propose to build the on-air cum production studio with a separate transmission room for community radio station.

Towards this, we are proposing the works, equipment & services for the same, request for your kind attention on attached annexure as follows;

- 1) Annexure 'A': Cost estimation for interior works
- 2) Annexure 'B': On air cum production studio equipment.
- 3) Annexure 'C': Terms & Conditions

Hope this proposal suits the requirement, we are looking forward to hear from you at your convenience.

With Kind Regards,

Khuswinder Singh Bhatia  
Asst General Manager



**ATTESTED**

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

**E.G.S. Pillay Engineering College,**  
Thethi, Nagore - 611 002.

**Nagapattinam (D.) T.N.**



## Annexure 'A'

## Cost Estimation for internal studio works

(estimated room size for on-air cum production studio as 12 feet \* 12 feet and transmitter room size as 10 feet \* 10 feet, final billing will be based on the actual size of room and actual work executed)

| S. No. | Description   | Qty | Unit    | Unit rate (Rs) | Total value (Rs) |
|--------|---|-----|---------|----------------|------------------|
| (A)    | <b>Acoustics Treatment</b>  |     |         |                |                  |
| 1      | Supply and fixing of acoustic treatment   | 399 | Sq. ft. | 275            | 109725           |
| 2      | Skirting (4-inch height)  | 48  | R ft.   | 130            | 6240             |
| (B)    | <b>False Ceiling</b>  |     |         |                |                  |
| 1      | Supply and fixing of false ceiling with Armstrong 0.65 NRC 600mm x 600mm tiles on metal frame work. | 244 | Sq. ft. | 150            | 36600            |
| (C)    | <b>Flooring</b>   |     |         |                |                  |
| 1      | Supply and fixing of 2 mm thick PVC roll on the cemented floor.                                     | 244 | Sq. ft. | 110            | 26840            |
| (D)    | <b>Door &amp; Window</b>  |     |         |                |                  |
| 1      | Supply and fixing of acoustic door and chowkhat   | 1   | No.     | 65000          | 65000            |
| 2      | Supply and fixing of non-acoustic door  | 1   | No.     | 35000          | 35000            |
| 3      | Hydraulic door closer   | 2   | No.     | 5500           | 11000            |
| 4      | Supply and fixing of acoustically treated observation window of size 4'x3'                          | 1   | No.     | 35000          | 35000            |
| 5      | Anti-termite treatment  | 1   | Job     | 12000          | 12000            |
| (E)    | <b>Technical Furniture</b>  |     |         |                |                  |
| 1      | Supply and fixing of on-air studio table  | 1   | No.     | 38000          | 38000            |
| 2      | Supply and fixing of transmitter table  | 1   | No.     | 18000          | 18000            |
| (F)    | <b>Electrical</b>   |     |         |                |                  |
| 1      | Supply and fixing of electrical TPN distribution box including LED light (1x1)                      | 1   | Job     | 36000          | 36000            |
| 2      | Supply & laying of electrical wiring, cabling and fixing  | 1   | Job     | 24500          | 24500            |
| 3      | Air condition 1.5 ton with stabilizer   | 2   | No      | 57000          | 114000           |
| 4      | Earthing (for audio & transmitter)  | 2   | Nos.    | 20000          | 40000            |
| (G)    | <b>Paint &amp; Polish</b>   |     |         |                |                  |
| 1      | Paint on white full tone board & on plain wall with plastic emulsion paint to give even shade       | 625 | Sq ft   | 50             | 31250            |
| 2      | Polish on veneer with French sprit polish on chowkhat, studio table with French sprit polish        | 219 | Sq ft   | 80             | 17520            |
|        | Sub Total   |     |         |                | 656675           |
|        | GST @ 18%   |     |         |                | 118202           |
|        | Grand Total   |     |         |                | 7,74,877         |

Seven Lakh Seventy-Four Thousand Eight Hundred Seventy-Seven Only

## NOTE:

- 1) The bill of material proposed above is based upon the preliminary assumption of studio size; However, the design/layout of the final studio may differ during actual execution.
- 2) The area mentioned for the various works in above table is based upon the estimation and the exact area executed will be measured after completion of work, accordingly invoice can be generated.
- 3) Above mentioned works are only for studio area, in case of any work required out of studio, the same will be informed in writing and executed work will be measured accordingly.
- 4) New civil work or modification in existing civil work required to be taken up by College.
- 5) Following item is not taken in cost estimation, however if required can be provided by College at extra cost. This can be arranged by College:
  - a) Recessed conduit and piping under the flooring for routing the audio cable
  - b) Revolving chairs for studio

ATTESTED  
  
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 PRINCIPAL  
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## Annexure 'B'

Equipment for on-air cum production studio

| Sr. No   | Description   | Make / Model              | Qty | Basic value (Rs)       | GST (Rs) | Total value (Rs) |          |
|----------|---|---------------------------|-----|------------------------|----------|------------------|----------|
| <b>A</b> | <b>On Air cum production studio equipment</b>   |                           |     |                        |          |                  |          |
| 1        | 16 channel analog audio mixer   | Yamaha/equivalent         | 1   | 29000                  | 5220     | 34220            |          |
| 2        | Studio monitor  | M Audio/JBL/equivalent    | 1   | 23900                  | 4302     | 28202            |          |
| 3        | Professional condenser microphone for host  | MXL/Icon/equivalent       | 1   | 9000                   | 1620     | 10620            |          |
| 4        | RJ Microphone stand   | Hawk/equivalent           | 1   | 3100                   | 558      | 3658             |          |
| 5        | Professional dynamic microphone for guest   | AKG/equivalent            | 3   | 15600                  | 2808     | 18408            |          |
| 6        | Table top mic stand   | GS                        | 3   | 2250                   | 405      | 2655             |          |
| 7        | Studio headphone  | Sennheiser/equivalent     | 4   | 7800                   | 1404     | 9204             |          |
| 8        | Audio distribution amplifier  | Customized                | 1   | 9500                   | 1710     | 11210            |          |
| 9        | Headphone distribution amplifier  | Customized                | 1   | 9000                   | 1620     | 10620            |          |
| 10       | 4 Channel Soundcard   | Tascam/Motu/equivalent    | 1   | 18500                  | 3330     | 21830            |          |
| 11       | Single line telephone hybrid  | Comcon Multicom 3         | 1   | 28500                  | 5130     | 33630            |          |
| 12       | Equipment mounting arrangement  | Customized                | 1   | 5000                   | 900      | 5900             |          |
| 13       | Field recorder  | Tascam DR05               | 1   | 10500                  | 1890     | 12390            |          |
| 14       | Installation material including audio, microphone cable, connectors (XLR, EP, TRS etc)        | Standard                  | 1   | 60000                  | 10800    | 70800            |          |
|          | Sub Total 'A'   |                           |     |                        |          |                  | 2,73,347 |
| <b>B</b> | <b>Software</b>   |                           |     |                        |          |                  |          |
| 1        | Automation/scheduling software  | Transman/equivalent       | 1   | 32000                  | 5760     | 37760            |          |
| 2        | Audio editing software  | Yamaha Cubase /equivalent | 1   | 38500                  | 6930     | 45430            |          |
| 3        | Logger software   | Standard                  | 1   | 25000                  | 4500     | 29500            |          |
|          | Sub Total 'B'   |                           |     |                        |          |                  | 1,12,690 |
| <b>C</b> | <b>Redundant Power Supply</b>   |                           |     |                        |          |                  |          |
| 1        | 3 KVA online UPS including rack & connector (sufficient for essential equipment)              | Eaton/equivalent          | 1   | 25410                  | 4574     | 29984            |          |
| 2        | SMF batteries for 60 mins back up (8nos*26AH*12V)   | Quanta/equivalent         | 1   | 22410                  | 6275     | 28685            |          |
|          | Sub Total 'C'   |                           |     |                        |          |                  | 58,669   |
| <b>D</b> | <b>Services</b>   |                           |     |                        |          |                  |          |
| 1        | Professional services required for installation, testing and commissioning of entire facility | BECIL                     | 1   | 85000                  | 15300    | 100300           |          |
| 2        | Transit insurance & freight   | Courier/transport         | 1   | As per actual expenses |          |                  |          |
|          | Sub Total 'D'   |                           |     |                        |          |                  | 1,00,300 |

Total: -

- |  |   |                 |
|--|---|-----------------|
| 1) Interior studio works for the estimated room size | = | Rs. 7,74,877/-  |
| 2) On-air cum production studio equipment            | = | Rs. 2,73,347/-  |
| 3) Software  | = | Rs. 1,12,690/-  |
| 4) Redundant power supply                            | = | Rs. 58,669/-    |
| 5) Services  | = | Rs. 1,00,300/-  |
| Total  | = | Rs. 13,19,883/- |

ATTESTED

*[Signature]*  
**Dr. S. RAMABALAN, M.E., Ph.D.,**  
**PRINCIPAL**

**E.G.S. Pillay Engineering College,**  
**Thethi, Nagore - 611 002.**  
**Nagapattinam (Dt) Tamil Nadu.**



**EXTRA**

❖ Following items are not taken in cost estimation, however if required can be provided by BECIL at extra cost.

| <b>A Additional essential requirement &amp; to be arranged by University</b> |  |                             |   |  |
|--|--|-----------------------------|---|--|
| 1  | Desktop PC (Intel Core i3/16 GB RAM DDR4/1TB HDD/ DVDRW/19.5" TFT/ multimedia keyboard/USB/2-button optical mouse/6 USB 2.0 port (2 front, 4 rear), 10/100 LAN/Windows10 Pro/3 years warranty) | Any preferred make          | 3 | Desktop required for, on-air scheduling of programs editing of new produced programs logger software |
| 2  | Recessed conduit and piping under the flooring   | As per the site requirement | - | Conduits required for routing the audio cable etc.   |
| 3  | Revolving chairs for   | As per the requirement      | 4 | Chairs are required for host & guests  |

| <b>B Services (if required by college)</b> |  |                        |   |        |       |                 |
|--|--|------------------------|---|--------|-------|-----------------|
| 1  | Professional services required for hands on training on hardware & software by expert              | BECIL                  | 1 | 50000  | 9000  | 59000           |
| 2  | Professional services required for capacity building & content production (appx duration 4-5 days) | Community radio expert | 1 | 100000 | 18000 | 118000          |
| <b>Sub Total 'B'</b>                       |  |                        |   |        |       | <b>1,77,000</b> |

*Singh*



**ATTESTED**  
*Dr. S. Ramabalan*  
**Dr. S. RAMABALAN, M.E., Ph.D.,**  
**PRINCIPAL**  
 E.G.S. Pillay Engineering College,  
 Thethi, Nagore - 611 002.  
 Nagapattinam (Dt) Tamil Nadu.

## Annexure 'C'

## Terms and condition:

|   |                                |   |  |
|---|--------------------------------|---|--|
| 1 | <b>Price</b>                   | : | Prices are exclusive of Octroi/entry tax of the state or any other charges to be paid locally, which will be claimed extra at actual (wherever applicable)   |
| 2 | <b>Billing</b>                 | : | The estimated bill of material / equipment is taken based upon preliminary assumption of requirement of community radio operation. However, the exact requirement and number of items/equipment can be decided by the end user.                        |
| 3 | <b>Tax</b>                     | : | Shown above as per the current prevailing rate   |
| 4 | <b>Payment</b>                 | : | a) 100% payment with order.<br>b) After the completion of the project, BECIL shall submit the tax invoice based upon the actual expenses. Accordingly, the balance payment shall be released by College.   |
| 5 | <b>Delivery</b>                | : | Interior work to be started within 2-3 weeks from the date of order & advance payment.<br>Equipment shall be ready to dispatch within 4-5 weeks and commissioning is expected to be completed by 8-9 weeks from the date of order and advance payment. |
| 6 | <b>Warranty</b>                | : | Equipment would be under warranty for any manufacturing defects for the period of 12 months from the date of invoicing.  |
| 7 | <b>Validity</b>                | : | The rates given are valid for 90 days, the make/model and rates may differ during actual purchase.   |
| 8 | <b>Insurance &amp; Freight</b> | : | Transit insurance & transportation till actual site would be claimed as per actual expenditure   |

ATTESTED

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

 E.G.S. Pillay Engineering College,  
 Nagore - 611 002.  
 Nagapattinam (Dt) Tamil Nadu,

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

EGS Pillay Community Radio 90.0 FM

## INTERNAL NOTE

To,  
The Secretary,  
EGS Pillay Engineering College  
Nagapattinam.

Sir, I submit that we have been sanctioned with **Community Radio 90.0 FM** from Department of Telecommunications, GOI. In this regard I request you to kindly allow us to sanction an **Rs.971394/- (Rupees Nine Lakh seventy one thousand three hundred ninety four only)** towards BECIL for the **Cost Estimation for internal studio works (estimated room size for on-air cum production studio as 12 feet \* 12 feet and transmitter room size as 10 feet \* 10 feet, final billing will be based on the actual size of room and actual work executed)**

| S. No.                         | Description   | Qty | Unit    | Unit rate (Rs) | Total value (Rs) |
|--------------------------------|---|-----|---------|----------------|------------------|
| <b>(A) Acoustics Treatment</b> |   |     |         |                |                  |
| 1                              | Supply and fixing of acoustic treatment   | 399 | Sq. ft. | 275            | 109725           |
| 2                              | Skirting (4-inch height)  | 48  | R ft.   | 130            | 6240             |
| <b>(B) False Ceiling</b>       |   |     |         |                |                  |
| 1                              | Supply and fixing of false ceiling with Armstrong 0.65 NRC 600mm x 600mm tiles on metal frame work. | 244 | Sq. ft. | 150            | 36600            |
| <b>(D) Door &amp; Window</b>   |   |     |         |                |                  |
| 1                              | Supply and fixing of acoustic door and chowkhat   | 1   | No.     | 65000          | 65000            |
| 2                              | Supply and fixing of non-acoustic door  | 1   | No.     | 35000          | 35000            |
| 3                              | Hydraulic door closer   | 2   | No.     | 5500           | 11000            |
| 4                              | Supply and fixing of acoustically treated observation window of size 4'x3'                          | 1   | No.     | 35000          | 35000            |
| 5                              | Anti-termite treatment  | 1   | Job     | 12000          | 12000            |
| <b>(F) Electrical</b>          |   |     |         |                |                  |
| 1                              | Supply and fixing of electrical TPN distribution box including LED light (1x1)                      | 1   | Job     | 36000          | 36000            |
| 2                              | Supply & laying of electrical wiring, cabling and fixing  | 1   | Job     | 24500          | 24500            |
| 4                              | Earthing (for audio & transmitter)  | 2   | Nos.    | 20000          | 40000            |
|                                | Sub Total   |     |         |                | 411065           |
|                                | GST @ 18%   |     |         |                | 73992            |
|                                | Grand Total   |     |         |                | 4,85,057         |

Four Lakh Eighty Five Thousand fifty Seven Only

ATTESTED

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

E.G.S. Pillay Engineering College,  
Nagore - 611 002.  
Nagapattinam (Dt) Tamil Nadu.

Equipment for on-air cum production studio

| Sr. No   | Description   | Make / Model              | Qty | Basic value (Rs)       | GST (Rs) | Total value (Rs) |
|----------|---|---------------------------|-----|------------------------|----------|------------------|
| <b>A</b> | <b>On Air cum production studio equipment</b>   |                           |     |                        |          |                  |
| 1        | 16 channel analog audio mixer   | Yamaha/equivalent         | 1   | 29000                  | 5220     | 34220            |
| 2        | Studio monitor  | MAudio/JBL/equivalent     | 1   | 23900                  | 4302     | 28202            |
| 3        | Professional condenser microphone for host  | MXL/Icon/equivalent       | 1   | 9000                   | 1620     | 10620            |
| 4        | RJ Microphone stand   | Hawk/equivalent           | 1   | 3100                   | 558      | 3658             |
| 5        | Professional dynamic microphone for guest   | AKG/equivalent            | 3   | 15600                  | 2808     | 18408            |
| 6        | Table top mic stand   | GS                        | 3   | 2250                   | 405      | 2655             |
| 7        | Studio headphone  | Sennheiser/equivalent     | 4   | 7800                   | 1404     | 9204             |
| 8        | Audio distribution amplifier  | Customized                | 1   | 9500                   | 1710     | 11210            |
| 9        | Headphone distribution amplifier  | Customized                | 1   | 9000                   | 1620     | 10620            |
| 10       | 4 Channel Soundcard   | Tascam/Motu/equivalent    | 1   | 18500                  | 3330     | 21830            |
| 11       | Single line telephone hybrid  | Comcon Multicom 3         | 1   | 28500                  | 5130     | 33630            |
| 12       | Equipment mounting arrangement  | Customized                | 1   | 5000                   | 900      | 5900             |
| 13       | Field recorder  | Tascam DR05               | 1   | 10500                  | 1890     | 12390            |
| 14       | Installation material including audio, microphone cable, connectors (XLR, EP, TRS etc)        | Standard                  | 1   | 60000                  | 10800    | 70800            |
|          | <b>Sub Total 'A'</b>  |                           |     |                        |          | <b>2,73,347</b>  |
| <b>B</b> | <b>Software</b>   |                           |     |                        |          |                  |
| 1        | Automation/scheduling software  | Transman/equivalent       | 1   | 32000                  | 5760     | 37760            |
| 2        | Audio editing software  | Yamaha Cubase /equivalent | 1   | 38500                  | 6990     | 45430            |
| 3        | Logger software   | Standard                  | 1   | 25000                  | 4500     | 29500            |
|          | <b>Sub Total 'B'</b>  |                           |     |                        |          | <b>1,12,690</b>  |
| 1        | Professional services required for installation, testing and commissioning of entire facility | BECIL                     | 1   | 85000                  | 15300    | 100300           |
| 2        | Transit insurance & freight   | Courier/transport         | 1   | As per actual expenses |          |                  |
|          | <b>Sub Total 'D'</b>  |                           |     |                        |          | <b>1,00,300</b>  |

**Total: -**

- |  |   |                       |
|--|---|-----------------------|
| 1) Interior studio works for the estimated room size | = | Rs. 4,85,057/-        |
| 2) On-air cum production studio equipment            | = | Rs. 2,73,347/-        |
| 3) Software  | = | Rs. 1,12,690/-        |
| 5) Services  | = | Rs. 1,00,300/-        |
| <b>Total</b>   |   | <b>Rs. 9,71,394/-</b> |

I request you to kindly sanction the above items so that we can release the Purchase Order.

Thanking you in anticipation

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

**E.G.S. Pillay Engineering College,**  
 Thethi, Nagore - 611 002.  
 Nagapattinam (Dt) Tamil Nadu.

  
 (Dr. S. Chandrasekar)



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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

(Accredited by NAAC with 'A' Grade and NBA)

Email: [principal@egspec.org](mailto:principal@egspec.org) website: [www.egspec.org](http://www.egspec.org) Ph: 04365-251112

Nagapattinam

15.7.2020

To : The Principal

From : DEPARTMENT OF IT ENABLED SERVICES

Respected Sir,

Sub: requisition for financial support to purchase conference camera Group set – reg.

The present scenario (Covid -19) made all of us live separately even though the label "education" connected us all. The continuous teaching and learning process needs to be continued by using ICT tools. For strengthening our college's e-infrastructure, developing a media centre is the most important way to reduce the gap between students and teachers as well as the teaching and learning process. It would extend its support to organise different webinar programmes for students and faculty concerned with various professional societies.

In this regard, to enhance the infrastructure features and get better live interaction with all amenities, we are requesting to grant funds for the purchase of the "Logitech Conference Camera Group Set". For your reference, we have attached the least expensive proposal from the company after too many sittings. Please proceed further for enhanced learning.

*Approved*  
*S. Ramabalan*  
Dr. S. RAMABALAN, M.E., Ph.D.,  
PRINCIPAL  
E.G.S. PILLAY ENGINEERING COLLEGE  
NAGAPATTINAM - 611 002.



*M. S. S.*  
HOD  
15/7/2020

# Touchline

Touchline Technologies Private Limited  
New No: 24 (Old No 30), 2nd Floor, BAJAJ HOUSE  
Bhagirathi Ammal Street, T.Nagar  
Chennai – 600017  
:+91 44 4260 7209 :+91 9043000653

### Proposed for your Requirement

|  |                  |                         |           |
|--|------------------|-------------------------|-----------|
| To   | Date             | 15.07.2020              |           |
| E.G.S Pillay Engineering College(Autonomous) | REF              | TTPL/KP/QUO/20-21/15072 |           |
| Nagore Road, Thethi                          | Version          | I                       |           |
| Nagapattinam-611002                          | Validity         | 10 days                 |           |
| Kind Attention                               | Dr.M.Chinnadurai | Prepared by             | Mr.Sanjay |
| Contact No                                   | Contact No       | 9043000653              |           |
| Email ID                                     | E-mail           | snajay@touchline.co.in  |           |

We thank you for the opportunity given to participate in your requirement. Kindly find below our product details and commercials for your requirements.

### SUB: Quote for Logitech VC Products

| S.No | HSN      | Product Description           | Unit Rate | Qty | Total Value | Taxes | Net Value |
|------|----------|-------------------------------|-----------|-----|-------------|-------|-----------|
| 1    | 97175281 | Logitech Conference Group Set | 93450     | 1   | 93450       | 18%   | 110271    |

We hope the above mentioned proposal is in line with your requirement. In case of any further clarification/information kindly feel free to call us. We assure you the best of our attention and support all the time.

Thanking you and looking forward for you valuable purchase order.

|                       |  |  |
|-----------------------|--|--|
| Terms of Business     | Thanking you and Regards                   |  |
| Taxes                 | Tax included                               | For Touchline Technologies Private Limited |
| Payment               | 100% in advance along with the order       |  |
| Warranty              | 2 years warranty                           |  |
| Delivery              | 3 to 5 days against order                  |  |
| Order to be placed on | Touchline Technologies Pvt., Ltd., Chennai | Mr. Sanjay -Sr.Business Manager            |

Once the materials billed cannot be taken back or replace.

Special Terms: Any Changes in Taxes by the govt. of India While billing will be subsequently added or subtracted from the value.

*Control & Record*  
*M/S*



*Dr. S. Ramabalan*  
**Dr. S. RAMABALAN, M.E., Ph.D.,**  
**PRINCIPAL**  
**E.G.S. PILLAY ENGINEERING COLLEGE**  
**NAGAPATTINAM - 611 002.**



NAGAPATTINAM Branch IFSC: 0850000466  
AT, NALLA, SOUTH STREET, P. O. NO. 17, NAGAPATTINAM, TAMIL NADU, NAGAPATTINAM - 611001

Valid for three months from the date of issue  
23072020  
D D M M Y Y V. V.

Teachline technologies Pvt. Ltd.  
Rupees ₹ one lakh ten thousands two hundred and seventy one.

या धारक को Or Bearer

A/c. No. 0486360000000022

अदा करें: ₹ 1,10,271

For E G S PILLAY ENGG COLLEGE TUITION FEES

*[Signature]*

Authorised signatory

⑈013378⑈ 641641002⑈ 000104⑈ 29



BILL OF SALE CUM DELIVERY CHALLAN

Hewlett Packard India Sales Pvt Ltd
(Registered Office)
24 Salarpuria Arena
Adugodi Hosur Main Road
BANGALORE 560030
INDIA
PAN#AAACC9862F ST#AAACC9862FST002

Date/Time
23.06.2015 / 18:51:28

Number
J9PA005926

Page
3 of 8

Order Date
29.05.2015

Purchase Order Number
EGSPEC/COMP./2015

Hewlett-Packard India Sales pvt ltd
Plor. No:9,10,11A,35,36,37A
Sector 5
IIE, Pantnagar
Uttaranchal 263153
INDIA
TIN# 05005541732;CST# DD-5171452 DT 4-8-2005

Region Code
Consign to: EGS PILLAY ENGINEERING COLLEGE
L/C # :
Flight/Vessel No.
Freight Terms CFR NAGAPATTINAM

INVOICE TO:
EGS PILLAY ENGINEERING COLLEGE
THE SECRETARY
OLD NAGORE ROAD, THETHI VILLAGE
NAGAPATTINAM -611002 TAMIL NADU
INDIA

SHIP TO:
EGS PILLAY ENGINEERING COLLEGE
THE SECRETARY
OLD NAGORE ROAD, THETHI VILLAGE
NAGAPATTINAM -611002 TAMIL NADU
INDIA

PLEASE DIRECT ALL INQUIRIES TO
MURTHY N, SURYA PRATHAP

Terms of Payment
Cash in Advance

Table with 5 columns: Carrier Name, Delivery Note Number, Customer No, HP Order No, Ship by Date. Values include Delex, 0027012496, J90047524, J9P659961345, 23.06.2015.

COMMENTS
DECLARATION / CTC : Mr.Krishnamohan / 9843954386

Main table with 5 columns: Sect., Item#, Description, Quantity, Unit Price, Amount. Description contains a long list of alphanumeric codes.

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Please send invoice copy or reference invoice no: and remit Continued

I certify that the statements contained in this invoice are true and correct
CUSTOMER/ORIGINAL