



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:09-07-2020

Department	CIVIL ENGINEERING	Application No.	20200220
Area of Research	STRUCTURAL ENGINEERING	Research Mode	FULL TIME

Name :N.SIVARAM
Date of Birth / Age :10-03-1977 / 43 Years
Gender :MALE
Category :BC
e-Mail ID :sivalect2007@yahoo.com
Mobile :9150897011



Father's/Husband's Name	NAMBIRATHINAM	Father's/Husband's Occupation	RETD. TAMILNADU CIVIL SUPPLIES CORPORATION LTD
Family Income	NOT APPLICABLE	Residential Type	URBAN
Birth Place	TUTICORIN	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	667281252082	PAN No.	CHIPS7111R
Physically Challenged	NO	Type of Disability	-
Address for Communication: 352A, PUTTAKARATHY ILLAM 2ND MAN ROAD, KODEESWARAN NAGAR TIRUNELVELI TOWN TIRUNELVELI DISTRICT TAMILNADU INDIA Pin-627006		Permenant Address: 352A, PUTTAKARATHY ILLAM 2ND MAN ROAD, KODEESWARAN NAGAR TIRUNELVELI TOWN TIRUNELVELI DISTRICT TAMILNADU INDIA Pin-627006	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
M.E	STRUCTURAL ENGINEERING	ANNA UNIVERSITY	2007	72%	FIRST	REGULAR
B.E	CIVIL	MADURAI KAMARAJ UNIVERSITY	1999	66%	FIRST	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
SHINAS COLLEGE OF TECHNOLOGY, OMAN	LECTURER	2014-09-07	2020-01-14	TEACHING	
JAYA ENGINEERING COLLEGE, CHENNAI	ASST.PROFESSOR	2012-10-03	2013-10-24	TEACHING	
ST.JOSEPH COLLEGE OF ENGG & TECH, AFRICA	ASST.LECTURER	2011-02-02	2012-09-12	TEACHING	
DR. SIVANTHI ADITANAR COLLEGE OF ENGINEERING, TIRUCHENDUR	LECTURER	2007-01-29	2010-12-23	TEACHING	

Payment Details

Transaction ID	Reference	Date of transaction	Amount	Status
20200220_200709111022	SHMP8978591045	09-07-2020	600	SUCCESS

Tentative Topic: Experimental Investigation on Various Fibers Performances in Concrete without Reinforcement

Introduction:

Concrete is a Composite material and widely used in all over the world. The most famous advantage of concrete is its high compressive strength, but there are many defects for concrete materials, such as low anti cracking performance, bad toughness and low tensile strength. During the failure of the concrete structure under the action of load, the energy consumed is very limited, so that micro cracks are developing with deferent size scale will come into being. In order to overcome the defects of concrete material, many researchers have conducted a lot of investigation to improve the properties of concrete, especially the toughness of concrete. It has been proved that the using of fibers can improve the mechanical properties and durability of concrete.

Plain unreinforced concrete is a brittle material with a low tensile strength and low strain capacity, when they are exposed to heavy loads the cracks is appearing and they collapse. It has been recognized that the addition of small, closely spaced and uniformly dispersed fibers to concrete would act as crack arrester and would substantially improves its static and dynamic properties. Fiber-reinforced concrete (FRC) is concrete containing fibrous material which increases its structural integrity. It contains short discrete fibers that are uniformly distributed and randomly oriented. The volume of fibers, length of fiber and diameter of fiber has been found independently to improve the strength of composites.

There are three kinds of actions of fibers on concrete, which include anti cracking, reinforcing, and toughening. Fibers include steel fibers, glass fibers, synthetic fibers and natural fibers – each of which lends varying properties to the concrete. In addition, the character of fiber-reinforced concrete changes with varying concretes, fiber materials, geometries, distribution, orientation, and densities.

Objective

The research aims to provide information on the properties and applications of the more commonly available fibers and their uses to produce concrete with certain characteristics. A research work is to investigate experimentally in various fibers are mixed with concrete without reinforcement in different mix ratio and identify the high performance fibers concrete with varying loads. Comparative analyze all the fibers performance in concrete and finally to identify the best performance of fiber used in Civil engineering works.

Reference

1. Amit Roy, Y.P Joshi “Application and Properties on Fiber reinforced concrete” Int. Journal of Engineering Research and Applications ISSN :2248-9622, Vol.4, Issue 5 (Version 1), May 2014.
2. Praveen kaur, Mohit Talwar “ International journal of Advanced Research in computer science” ISSN : 0976-5697, Volume 8, No. 4, May 2017.
3. Anurag Mishra, Kirti Chandraul, Manindra Kumar “Experimental study on steel fiber reinforced concrete” ISSN: 2395-0056, volume: 04 Issue: 11,Nov -2017

Anna University Chennai

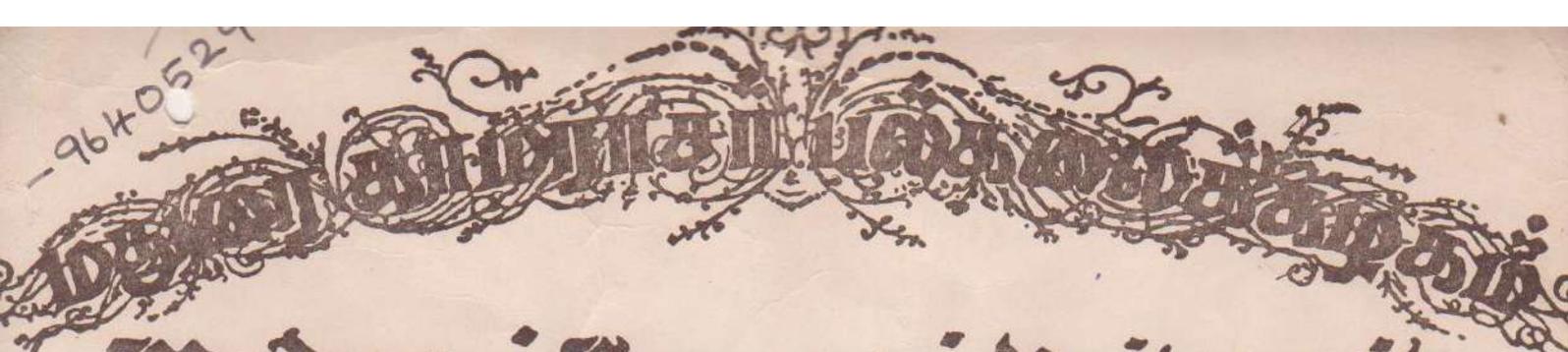


The Syndicate of the Anna University Chennai hereby makes known that **SIVARAM N** has been admitted to the **DEGREE OF MASTER OF ENGINEERING** in **STRUCTURAL ENGINEERING** under the **Faculty of Civil Engineering**, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in **FIRST CLASS** at the Examination held in **JUNE 2007**.

Given under the Seal of the University



-9640527



Madurai Kamaraj University

பொறியியற் புலம்

FACULTY OF ENGINEERING

மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப்பேரவை

- ந. சிவராம் -

கட்டிடவியல்

எனும் பீரிகில்

பொறியியல் இளைபர் பட்டம் பெறுதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வுநேரர் 1999 ஏப்பிரல் இல் நடைபெற்ற தேர்வில் சான்றளித்தவாறு, மேன் வகுப்பப்பெற்று, இப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றாரா என இதன்வழி அறிவிக்கின்றது

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது

The Senate of the MADURAI KAMARAJ UNIVERSITY

hereby makes known that N. Sivaram -

has been admitted to the Degree of Bachelor of Engineering he/she having been certified by duly appointed Examiners to be qualified to receive the same and having been placed by them in the first Class in Branch Civil Engineering

- at the Examination held in April 1999.

Given under the seal of the University



பல்கலைநகர், Palkalainagar
மதுரை Madurai - 625 021.
நாள் Dated :

[Signature]
பதிவாளர்
Registrar

[Signature]
துணைவேந்தர்
Vice-Chancellor



ANNA UNIVERSITY
CHENNAI
M.E. DEGREE EXAMINATIONS
CONSOLIDATED STATEMENT OF MARKS

Folio No. FS10333

NAME OF THE CANDIDATE		SIVARAM N			REGISTER NO.	90105413018
COLLEGE OF STUDY		901: A.C College of Engineering and Technology			MONTH & YEAR OF LAST APPEARANCE	June 2007
PROGRAMME & SPECIALIZATION		M.E. Structural Engineering			REGULATIONS	2005
SEM.	SUBJECT CODE	SUBJECT TITLE	MAX	MIN	MARKS SECURED	MONTH & YEAR OF PASSING
01	MA1602	Applied Mathematics	100	50	055	NOV 2005
01	ST1601	Experimental Methods and Model Analysis	100	50	058	NOV 2005
01	ST1602	Structural Dynamics	100	50	061	NOV 2005
01	ST1603	Constitutive Models and Modes of Failure	100	50	062	NOV 2005
01	ST1621	Soil Structure Interaction	100	50	055	NOV 2005
01	ST1630	Maintenance and Rehabilitation of Structures	100	50	064	NOV 2005
02	ST1651	Concrete Structures	100	50	056	JUN 2006
02	ST1652	Design of Substructures	100	50	062	JUN 2006
02	ST1653	Steel Structures	100	50	060	NOV 2006
02	ST1654	Computational Methods	100	50	073	NOV 2006
02	ST1622	Aseismic Design of Structures	100	50	059	JUN 2006
02	ST1633	Stability of Structures	100	50	067	JUN 2006
02	ST1655	Structural Engineering Laboratory	100	50	085	JUN 2006
03	ST1626	Design of Steel Concrete Composite Structures	100	50	074	JUN 2007
03	ST1631	Optimization in Structural Design	100	50	068	NOV 2006
03	ST1632	Prestressed Concrete	100	50	072	JUN 2007
03	ST1715	Practical Training	100	50	073	NOV 2006
03	ST1720	Seminar	100	50	075	NOV 2006
04	ST1751	Project Work	600	300	547	JUN 2007

End of Statement

Classification : **FIRST CLASS**
Total Marks : **1726 / 2400**
Percentage (rounded to nearest integer) : **72**

Medium of Instruction : ENGLISH

Chennai: 600 025

V. Zy M



MADURAI KAMARAJ UNIVERSITY

B E DEGREE EXAMINATION

BRANCH : CIVIL ENGINEERING

RS 0021154

STATEMENT OF MARKS

NAME OF THE CANDIDATE		REGISTER NO.	CENTRE NO.	COLLEGE OF STUDY		EXAM M & YR.	DATE OF PUBLICATION												
SIVARAM N		9640529	505	MOHAMED SATHAK ENGG. COLLEGE, KILAKKARAI		APR 1999	02-06-99												
SUB CODE	SUBJECT DESCRIPTION	MAX. MARK			MARKS OBTAINED			SUB CODE	SUBJECT DESCRIPTION	MAX. MARK			MARKS OBTAINED						
		I	E	T	I	E	T			R	MYR	I	E	T	I	E	T	R	MYR
A31	MATHEMATICS - III	--	100	100	--	048	048	P	N96	A83	DESIGN AND DRAWING - II	--	100	100	--	083	083	P	A99
A32	COMPUTER PROGRAMMING	--	100	100	--	045	045	P	A97	A86	PROJECT WORK & VIVA VOCE	--	200	200	--	180	180	P	A99
A33	MECHANICS OF SOLIDS - I	--	100	100	--	049	049	P	N96	A88	ARCHITECTURE & TOWN PLANNING	--	100	100	--	069	069	P	A99
A34	SURVEYING - I	--	100	100	--	059	059	P	N96	A85	TRANSPORT MANAGEMENT	--	100	100	--	068	068	P	A99
A35	CONSTRUCTION MATERIALS	--	100	100	--	047	047	P	N96	<<< END OF STATEMENT >>>									
A36	ENGINEERING GEOLOGY	--	100	100	--	045	045	P	N96										
N3A	ENGINEERING MATHEMATICS	--	100	100	--	049	049	P	N96										
N3B	PHYSICAL SCIENCES	--	100	100	--	045	045	P	N97										
A41	MATHEMATICS - IV	--	100	100	--	048	048	P	A97										
A42	MECHANICS OF SOLIDS - I	--	100	100	--	045	045	P	A97										
A43	MECHANICS OF FLUIDS - I	--	100	100	--	045	045	P	A97										
A44	SURVEYING - II	--	100	100	--	066	066	P	A98										
A45	CONSTRUCTION TECHNOLOGY	--	100	100	--	061	061	P	A97										
A46	BASIC STRUCTURAL DESIGN	--	100	100	--	055	055	P	A97										
A47	SURVEYING PRACTICAL	--	100	100	--	081	081	P	A97										
A48	COMPUTER LABORATORY	--	100	100	--	078	078	P	A97										
A51	NUMERICAL METHODS	--	100	100	--	045	045	P	N97										
A52	STRUCTURAL ANALYSIS-I	--	100	100	--	062	062	P	N97										
A53	MECHANICS OF FLUIDS - II	--	100	100	--	063	063	P	N97										
A54	MECHANICS OF SOILS	--	100	100	--	045	045	P	N97										
A55	REINFORCED CONCRETE STRUCTURES-I	--	100	100	--	052	052	P	N97										
A56	ENVIRONMENTAL ENGG. - I	--	100	100	--	067	067	P	N97										
A57	SOIL MECHANICS LABORATORY	--	100	100	--	090	090	P	N97										
A58	BUILDING DRAWING	--	100	100	--	090	090	P	N97										
A61	TRANSPORTATION ENGG. - I	--	100	100	--	075	075	P	A98										
A62	STRUCTURAL ANALYSIS - II	--	100	100	--	074	074	P	A98										
A63	FOUNDATION ENGINEERING	--	100	100	--	074	074	P	A98										
A64	REINFORCED CONCRETE STRUCTURES - II	--	100	100	--	065	065	P	A98										
A65	ENVIRONMENTAL ENGINEERING - II	--	100	100	--	061	061	P	A98										
A66	IRRIGATION ENGINEERING	--	100	100	--	087	087	P	A98										
A67	ENVIRONMENTAL ENGINEERING LAB	--	100	100	--	080	080	P	A98	GRAND TOTAL THIRD SEMESTER TO EIGHTH SEMESTER IS 4700 (EXCLUDING FIRST YEAR)									
A68	CONCRETE & HIGHWAYS LAB	--	100	100	--	093	093	P	A98										
A71	TRANSPORTATION ENGG.-II	--	100	100	--	056	056	P	N98	PASSING MINIMUM 45% IN EACH THEORY AND PRACTICAL PAPER									
A72	DESIGN OF STEEL STRUCTURES	--	100	100	--	065	065	P	N98										
A73	HYDRAULIC STRUCTURES & HYDRAULIC MACHINERY	--	100	100	--	080	080	P	N98	MEDIUM OF INSTRUCTION IS ENGLISH									
A74	DESIGN & DRAWING - I	--	100	100	--	072	072	P	N98										
A77	HYDRAULIC ENGINEERING LAB	--	100	100	--	089	089	P	N98										
A78	QUANTITY SURVEYING & ESTIMATING	--	100	100	--	091	091	P	N98										
A7F	HYDROLOGY	--	100	100	--	071	071	P	N98										
A7T	ADVANCED BUILDING SCIENCE	--	100	100	--	071	071	P	N98										
A81	CONSTRUCTION MANAGEMENT	--	100	100	--	070	070	P	A99										
A82	ENVIRONMENTAL ENGINEERING - III	--	100	100	--	058	058	P	A99										
CLASS		FIRST			TOTAL MARKS		3112/4700												

N. Subburaj
Signature of the Candidate

DR. S. M. SUBBURAJ
DR. S. M. SUBBURAJ

Any alteration or overwriting makes this statement of Marks invalid.

Dated:

Controller of Examinations

Paikalanagar,

Other Abbreviations - R - Result; P - Pass; F - Fail; AAA - Absent; SUB - Subject; M - Month.

GOVERNMENT OF TAMILNADU
DEPARTMENT OF TECHNICAL EDUCATION
ALAGAPPA CHETTIAR COLLEGE OF
ENGINEERING AND TECHNOLOGY
KARAIKUDI - 630 004.

Sl. 0066

**TRANSFER
CERTIFICATE**

Roll No.: 05 ME SE16

- 1 Name of the Student : **N.SIVARAM**
- 2 Name of the Parent / Guardian : **R.Nambirathinam**
- 3 Nationality Religion and Community : **INDIAN, HINDU, THULUVA VELLALA (B.C.)**
- 4 Sex : **Male**
- 5 Date of Birth (in figures and words) as entered in the Admission Register : **10.03.1977 (Tenth March Nineteen seventy seven)**
- 6 Course of Study : **M.E-STRUCTURAL ENGINEERING**
- 7 Date of Admission to this college : **18.07.2005**
- 8 a) Whether the student has paid all the fees due to the college? : **YES**
- b) Whether the student was in receipt of any scholarship : **NO**
- 9 Whether the student has undergone Medical inspection during the year? : **YES**
- 10 Reasons for leaving the College : **Completed the Course**
- 11 Date of leaving : **4 JUL 2007**
- 12 Date on which application for Transfer Certificate was made by the student or on his/her behalf by parent/Guardian : **4 JUL 2007**
- 13 Date of the Transfer Certificate : **5 JUL 2007**

SEAL



oeeoooo
VICE PRINCIPAL
SIGNATURE OF THE PRINCIPAL /
VICE-PRINCIPAL SEAL
Karaikudi - 630 004
073607



**Dr. SIVANTHI ADITANAR COLLEGE OF ENGINEERING
TIRUCHENDUR 628 215**



(an ISO 9001 : 2008 certified Institution & accredited by NBA, AICTE)

Dr. J. MAHESWARAN, ME, Ph.D, FIE, MISTE
PRINCIPAL

Phone : 04639 - 242482, 245854
Fax : 04639 - 243188
e-mail : sacoeprincipal@gmail.com

23-12-2010

EXPERIENCE CERTIFICATE

This is to certify that **Mr. N. Sivaram** had been working as Lecturer in the Department of Civil Engineering in Dr. Sivanthi Aditanar College of Engineering, Tiruchendur since **29-11-2007**. He is relieved from this college on his own request with effect from the **After Noon of 23-12-2010**.

His conduct and character have been uniformly excellent during his stay with us.

We wish him all success in his life.



[Signature]
PRINCIPAL

DMI-St. Joseph Group of Institutions
(Run by Sisters of Daughters of Mary Immaculate and Collaborators)

Head Office:
P.o. Box 11007
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Morogoro Road, Dar es Salaam, Tanzania
+255 713 757 010, 784 757 010
email:dmi_dar@yahoo.com



Colleges:
St. Joseph College of Engineering and Technology, DSM
St. Joseph Institute of Information Technology, Songea

REF.NO: DIR/EST/01312/80

DATE: 12th SEPTEMBER, 2012

SERVICE CERTIFICATE

This is to certify that **Mr. N. Sivaram** served as **Assistant Lecturer** in the Department of Civil Engineering at St. Joseph College of Engineering and Technology, Dar es salaam, Tanzania from 2nd February, 2011 to 12th September 2012. During this period his conduct and character were good. This certificate is issued on his request.

M.K. Teresa DMI
SR. M.K. TERESA DMI
DIRECTOR



Phone : 2639 0041 / 2630 0982 / 2634 3132
Fax : 2630 0982



JAYA ENGINEERING COLLEGE

(An ISO 9001 : 2000 CERTIFIED INSTITUTION)
(Approved by AICTE and Affiliated to Anna University)
(CSE, ECE & TEX DEPTS. ARE ACCREDITED BY NBA, AICTE, NEW DELHI)
C.T.H. Road, Prakash Nagar, Thiruninravur, (Near Avadi)
Chennai - 602 024. Tamil Nadu, INDIA.
E-mail : info@jec.ac.in Website : www.jec.ac.in



RWTUV

Mrs.K. Vijayakumari, M.A., B.Ed.,
Secretary

Dr. Krishnan Vijayaraghavan,
MS., Ph.D (Chem. Engg. IITM), Fellow. IUSSTF (Arizona - USA)
Principal

Ref :

Date : 24 OCT 2013

EXPERIENCE CERTIFICATE

This is to certify that **Mr. N. SIVARAM** worked as **Asst. Professor** in the Department of **Civil** in our college from **03.10.12** relieved as per his request on **24.10.13**

His Conduct and Character were good during his service in our College.




PRINCIPAL
PRINCIPAL
JAYA ENGINEERING COLLEGE
THIRUNINRAVUR, CHENNAI - 602 024



Date: 14/01/2020

To whom it may concern

This is to certify that Mr. **Sivaram Nambirathinam** has been employed as a Lecturer in Engineering Department, Civil Section on Full- time basis at Shinas College of Technology from 07/09/2014 to 14/01/2020 under the Ministry of Manpower.

This Certificate is issued upon his request with no liability on the Ministry whatsoever.

Dr. Ahmed Al Mamari
College Dean, Shinas College of Technology

Verify by:

HR Department/Fawziya Al Jabri



आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT OF INDIA

N SIVARAM

NAMBIRATHINAM

10/03/1977
Permanent Account Number
CHIPS7111R

N. P. R.
Signature

भारत सरकार



इस कार्ड के खोने / पाने पर कृपया सूचित करें / लौटाने
आयकर पैन सेवा इकाई, एन एस डी यू
पीसीए सिटी, सफायर चेंबर्स,
बानेर टेलिफोन एक्सचेंज के नजदीक,
बानेर, पुना - 411 045

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3rd Floor, Sapphire Chambers,
Near Baner Telephone Exchange,
Baner, Pune - 411 045

Tel: 91-20-2721 8080, Fax: 91-20-2721 8081
e-mail: tininfo@nsdl.co.in

N. P. R.



Government of India



சிவராம் ந
Sivaram N
பிறந்த நாள்/DOB: 10/03/1977
ஆண் / MALE



6672 8125 2082
VID: 9175 6195 9412 2005

எனது ஆதார், எனது அடையாளம்

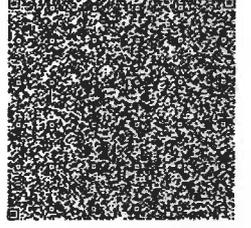


Unique Identification Authority of India



முகவரி:
நம்பி ரத்தினம், 352ஏ புட்டகரத்தி இல்லம்,
2வது மெயின் ரோடு, கோடேஸ்வரன் நகர்,
திருநெல்வேலி, திருநெல்வேலி,
தமிழ் நாடு - 627006

Address:
Nambi Rathinam, 352a Puttakarathy illam,
2nd Main Road, Kodeeswaran Nagar,
Tirunelveli, Tirunelveli,
Tamil Nadu - 627006



QR Code with Photograph

6672 8125 2082
VID: 9175 6195 9412 2005

1947 | help@uidai.gov.in | www.uidai.gov.in

N. [Signature]

BC

சான்றிதழ் எண்
Certificate No.



மாவட்ட குறியீடு எண்:
District Code:
வட்ட குறியீடு எண்:
Taluk Code:
கிராமக் குறியீடு எண்:
Village Code:

1	6
0	1
2	0

018978

சாதிச்சான்றிதழ்
COMMUNITY CERTIFICATE

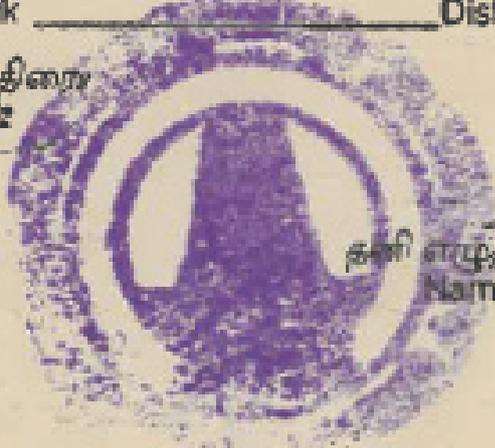
கொண்டாறு மாவட்டம் கொண்டாறு வட்டம்
கொண்டாறு கிராமம் / நகரம், திரு/திருமதி / செல்வன் /
செல்வி சிவராம் / நகர்ப்பணர் /
கணவர் பெயர் நம்புகொத்தியன் ஓ இவ்வ இயற்பெயர்
வகுப்பைச் சார்ந்தவர். அரசு (நினைவு) ஆணை எண். 1564, சமூக நலத்துறை, நாள்
30-7-85 வரிசை எண் 001 படி பிற்பட்ட பிரிவினைச் சார்ந்தவர் என
சான்றளிக்கப்படுகிறது.

This is to Certify that _____ Son/Daughter of
_____ of _____ Village/Town
_____ Taluk _____ District of the State of
Tamil Nadu belongs to _____ Community, which is recognised
as a Backward Class as per Government Orders (Manuscript Series) No. 1564,
Social Welfare Dept., dated 30-7-85 vide Serial No. _____

2. திரு/ திருமதி / செல்வன் / செல்வி சிவராம்
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் கொண்டாறு
மாவட்டத்தில் கொண்டாறு வட்டத்தில் கொண்டாறு
கிராமத்தில் / நகரத்தில் வசித்து வருகிறார்கள் என சான்றளிக்கப்படுகிறது

2. It is certified that _____ and his/her family ordinarily
reside(s) at _____ Village/Town
Taluk _____ District of Tamil Nadu

முத்திரை
Seal



சையொசிபகி
Signature

நாள்
Date

தனி எழுத்துக்களில் பெயர்
Name in Capital Letters

பதவிப் பெயர்
Designation

D. BALASUBRAMANIAN
REGIONAL DEPUTY TAHSILDAR
RAMANATHAPURAM.

26/1/99