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TNEB Limited



TANGEDCO

TANTRANSKO

POWERING TAMILNADU'S PROGRESS...

**NOTIFICATION NO: 02/ 2020 DATED: 08.01.2020**

1. Applications are invited only through **ONLINE MODE** upto **24.02.2020** for **Direct Recruitment** to the following posts.

Sl.No	Name of the Post	No of Vacancies	Level of pay
1	Assistant Engineer (Electrical) a ) Electrical and Electronics Engineering – 91% (364 Candidates) b) Electronics and Communication Engineering / Instrumentation Engineering – 7% (28 Candidates) c) Computer Science/ Information Technology Engineering – 2% (8 Candidates)	400	Level 1 of Officer Pay Matrix (i.e., Rs.39800 – 126500)
2	Assistant Engineer (Mechanical)	125	
3	Assistant Engineer (Civil)	75	

**NOTE:**

- The number of vacancies advertised is only approximate and is liable for modification including reduction/increase with reference to vacancy position at any time before finalisation of selection.

- The candidate on their selection will be placed in the level 1 of pay matrix for officer at Rs.39800-126500/- for a period of 3 months and they should be prepared to serve anywhere in TNEB LTD., TANTRANSCO and TANGEDCO. After the successful completion of training, they shall be appointed as Assistant Engineer/ Electrical on probation for two years.
- Notwithstanding anything contained in any orders/instructions/guidelines in force relating to request transfer of Officers/Workmen of the TANGEDCO/TANTRANSCO, for effecting maintenance, improving of administration, to ensure utmost consumer satisfaction, and in public interest, that the candidates appointed by Direct Recruitment to this post, until completion of five years, shall not be eligible to make any application requesting transfer to any other circle/office under the control of any other appointing authority and until completion of three years, shall not be eligible to make such application within the circle/office under the control of the same appointing authority.
- All eligible candidates including the candidates sponsored by the Employment Exchange, candidates who have completed Graduate Apprentice in erstwhile TNEB/TANGEDCO/TANTRANSCO and Open Market candidates shall apply through online for competing in the selection process. Applying for the post through online and attending the Online examination alone is not a guarantee for appointment or selection to the post.

## **2. Distribution of vacancies**

### **Back-Log Vacancies of Direct Recruitment conducted during 2017-2019.**

**EEE – 7 Nos.**

Differently Abled Persons	GT		BCO		MBC/DC		SC		BCM	
	General	Women	General	Women	General	Women	General	Women	General	Women
Multiple Disability	1		2		1					
Blindness and Low vision			1					1		
Deaf and Hard of Hearing									1	

**CLICK HERE****CLICK HERE****CSE/ IT-1 No.**

Differently Abled Persons	GT
	General
Blindness and Low vision	1

**Current vacancies****Assistant Engineer/ Electrical - VACANCIES - 392 Nos.****EEE -357 Nos.**

Community	NON-PRIORITY		PRIORITY		DAP (LD)		DAP (D&HH)	DAP (B&LV)		DAP (MD)		Total
	General	Women	General	Women	General	Women	General	General	Women	General	Women	
GT	54	32	21		1			1			2	111
BCM	7	4	2									13
BCO	45	27	18		1				2	1		94
MBC/DC	33	21	15				2					71
SC	27	15	9		1	1		1				54
SC(A)	5	3	1	1			1					11
ST	2	1										3
<b>Total</b>	<b>173</b>	<b>103</b>	<b>66</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>357</b>

**ECE/ IE -28 Nos.**

Community	NON-PRIORITY		PRIORITY		DAP (LD)		DAP (D&HH)	DAP (B&LV)		DAP (MD)		Total
	General	Women	General	Women	General	Women	General	General	Women	General	Women	
GT	5	3	1									9
BCM	1											1
BCO	3	2	1		1							7
MBC/ DC	3	2	1									6
SC	2	1	1									4
SC(A)	1											1
ST												
<b>Total</b>	<b>15</b>	<b>8</b>	<b>4</b>		<b>1</b>							<b>28</b>

**CSE/ IT -7 Nos.**

Community	NON-PRIORITY		PRIORITY		DAP (LD)		DAP (D&HH)	DAP (B&LV)		DAP (MD)		Total
	General	Women	General	Women	General	Women	General	General	Women	General	Women	
GT	1	1										2
BCM												
BCO	1	1										2
MBC/ DC	1		1									2
SC												
SC(A)	1											1
ST												
<b>Total</b>	<b>4</b>	<b>2</b>	<b>1</b>									<b>7</b>

**CLICK HERE****Assistant Engineer/ Mechanical****CLICK HERE****VACANCIES - 125 Nos.**

Community	NON-PRIORITY		PRIORITY		DAP (LD)	DAP (D&HH)	DAP (B&LV)	DAP (MD)		Total
	General	Women	General	Women	General	General	General	General	Women	
GT	14	10	6		1			1		32
GT TM	3	2	2							7
BCM	3	1	1							5
BCO	13	6	4			1			1	25
BCO TM	3	3	2							8
MBC/DC	9	6	4				1			20
MBC/DC TM	3	1	1							5
SC	8	5	2							15
SC TM	1	1	1							3
SC(A)	2	1								3
SC (A) TM	1									1
ST		1								1
<b>Total</b>	<b>60</b>	<b>37</b>	<b>23</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>125</b>

**Assistant Engineer/ Civil**

**VACANCIES - 75 Nos.**

Community	NON-PRIORITY		PRIORITY		DAP (LD)	DAP (D&HH)	DAP (B&LV)	DAP (MD)		Total
	General	Women	General	Women	General	General	General	General	Women	
GT	10	5	4							19
GT TM	2	2	1							5
BCM	1	1	1							3
BCO	7	4	2						1	14
BCO TM	3	1	1							5
MBC/DC	4	5	2			1	1			13
MBC/DC TM	1		1							2
SC	5	3	2							10
SC TM	1	1								2
SC(A)		1	1							2
SC (A) TM										
<b>Total</b>	<b>34</b>	<b>23</b>	<b>15</b>			<b>1</b>	<b>1</b>		<b>1</b>	<b>75</b>

**Note :** The vacancies mentioned above are subject to alterations/inclusions/ omissions based on the pending approval of the Government and also subject to the decision to be taken in W.P.No.21776 of 2019 & Appeals to be filed if any in this regard.

### 3. **IMPORTANT DATES:**

Date of Notification	<b>08/ 01/ 2020</b>
Opening of online portal for submission of Online application	<b>24/ 01/ 2020</b>
Last date for submission of online applications, for uploading the documents and for making online payment	<b>24/ 02/ 2020</b>
Last date for payment of Fee through Canara Bank/Indian Bank / Indian Overseas Bank (Challan payment)	<b>27/ 02/ 2020</b>
<b>Date and Time of Online Examination</b>	The date of conducting Competitive Online Examination will be notified in the website <a href="http://www.tangedco.gov.in">www.tangedco.gov.in</a>

### 4. **ELIGIBILITY CRITERIA**

#### A. **AGE (as on 01.07.2019):**

<b>Sl. No</b>	<b>Category of Candidates</b>	<b>Minimum Age (should have completed)</b>	<b>Maximum Age (should not have completed)</b>
1	SC, SC(A), ST, Destitute Widow	18 years	35 years
2	MBC/DC, BCO, BCM	18 years	32 years
3	'Others' [i.e candidates not belonging to SC, SC(A), ST, MBC/DC, BCO and BCMs]	18 years	30 years

Note:-

#### **(i) For Differently Abled Persons:**

Differently Abled Persons are eligible for age concession upto 10 years over and above the maximum age limit prescribed above.

#### **(ii) For ex-servicemen:**

- The maximum age limit is 53 Years for the Applicants who belong to SC, SC(A), ST.
- The maximum age limit is 48 years for "others" (i.e.) Applicants not belonging to any of the above said categories.
- The above concession will not apply to the Applicants those who have already been recruited to any class or service or category.

#### **(iii) Apprenticeship:**

In respect of Apprenticeship candidates, age relaxation will be allowed to the extent of the actual period of apprentice training.

**B. EDUCATIONAL QUALIFICATION (as on 08.01.2020)**

Candidates should possess the following qualification

S. No	Name of the Post	Qualification
1.	Assistant Engineer (Electrical)	A Bachelor degree in EEE/ECE/EIE/CSE/IT Engineering  OR  A pass in AMIE (Sections A and B) under Electrical Engineering Branch OR Equivalent recognized by the UGC
2.	Assistant Engineer (Civil)	A Bachelor degree in Civil Engineering  OR  A pass in AMIE (Sections A and B) under Civil Engineering Branch OR Equivalent recognized by the UGC
3.	Assistant Engineer (Mechanical)	A degree in Mechanical/ Production/ Industrial/ Manufacturing Engineering  OR  A pass in AMIE (Sections A and B) under Mechanical Engineering Branch OR Equivalent recognized by the UGC

**Note:-**

- i. The qualification prescribed for this post should have been obtained by passing the required qualification in the order of studies i.e. 10<sup>th</sup> + HSC/Diploma + U.G. degree (Regular/Part time) as the case may be from any university or Institution, recognized by the University Grants commission or any of the Universities recognized by the Government of Tamil Nadu. The candidates who have passed U.G. degree through Distance education / Correspondence mode from any university or Institution, recognized by the University Grants commission or any of the Universities recognized by the Government of Tamil Nadu are **not eligible** for this post except than those who are covered in the SLP orders made in Civil Appeal Nos.17869-17870/2017 (Arising out of Special Leave Petition (C) Nos.19807-19808/2012).
- ii. **Knowledge in Tamil:-**

Candidates should possess an adequate knowledge of the official language of the State, namely Tamil, on the date of this notification as per (Per.) FB TANGEDCO Proceedings No.42 (Secretariat Branch) Dated 28.11.2019.

**Explanation :**

- \* For this purpose, a person shall be deemed to possess an adequate knowledge of Tamil in the case of a post for which Educational Qualification is the Minimum General Educational Qualification and above, he/she should have passed the Secondary School Leaving Certificate Public Examination or its equivalent examination with Tamil as one of the languages, or studied the High School course in Tamil Medium and passed the Secondary School Leaving Certificate Public Examination or its equivalent Examination in Tamil Medium.

**5. GENERAL INFORMATION:**

- A. The Rule of reservation of appointments is applicable to the post and the distribution of vacancies will be as per rule in force.
- B. Persons who belong to the State of Tamil Nadu alone, who belong to one of the Communities specified in **Annexure-III** shall be treated as persons who belong to one such communities.
- C. A minimum of thirty percent of all vacancies which are to be filled through direct recruitment shall be set apart for woman candidates. If no qualified and suitable woman candidates are available for selection against the vacancies reserved for them, those vacancies will be filled by male candidates belonging to the respective communal categories.
- D. All eligible candidates including the candidates sponsored by the Professional Employment Exchange, those who have registered in Professional Employment Exchange & Open Market candidates shall apply through online to appear in the competitive online examination. The selection for all the above posts will be strictly based on the competitive online examination marks and rule of reservation only ( as per communal roster).
- E. **CERTIFICATE OF PHYSICAL FITNESS:**- Candidates selected for appointment to the post will be required to produce a certificate of physical fitness from the Medical Officer of rank as stipulated by TANGEDCO.
- F. The Differently Abled persons should produce a copy of certificate of physical fitness specifying the nature of physical disability and the degree of disability based on the norms laid down, from the Medical Board, to the effect that his/her handicap will not render him/her incapable of efficiently discharging the duties attached to the post to which he/she has been selected before appointment when called for by Tamil Nadu Generation and Distribution Corporation.
- G. In G.O. (Ms.) No.145, Personnel and Administrative Reforms (S) Department, dated

30.09.2010, and G.O.(Ms.) No.40, Personnel and Administrative Reforms (S) Department, dated 30.04.2014 the Government have issued orders to fill up 20% of all vacancies in Direct Recruitment on preferential basis to persons who studied the **prescribed qualification** in Tamil Medium. The 20% reservation of vacancies on preferential allotment to **Persons studied in Tamil Medium (PSTM)** will apply for this recruitment. (Candidates claiming this reservation should have studied the prescribed qualification for the post in Tamil Medium and should have the certificate for the same. Having written the examinations in Tamil language alone will not qualify for claiming this reservation). If the candidates with PSTM are not available for selection for appointment against reserved turn such turn shall be filled up by Non-PSTM candidates but belonging to the respective communal category. The PSTM reservation certificate, shall be produced by the candidate as it has been in prescribed format / proforma (**Annexure-II**) available in the TANGEDCO website at '**www.tangedco.gov.in**' which shall be obtained from the Head of the Institution.

- H. As per G.O.Ms.No.53 Social Welfare & Nutritious Meal Programme Department dated 11.04.2005 Deaf and Orthopedically handicapped persons alone are eligible for 3% reservation of vacancies intended for Differently Abled persons for the post of Assistant Engineer in TANGEDCO. Further, as per G.O.Ms.No.25, Welfare of Differently Abled Persons (DAP2.1) Department, dated 14.03.2013 the post of Assistant Engineer (Electrical/ Mechanical/Civil) in TANGEDCO has been identified as suitable for OA/OL/HH categories of Differently Abled persons (**OA-One Arm / OL-One Leg / HH – Hard of Hearing**) for 3% reservation of vacancies intended for Differently Abled persons. Further, as per G.O.Ms. No. 21, Welfare of Differently Abled Persons (DAP2.1) Department, dated 30.05.2017, the reservation of vacancies for Differently Abled Persons increased from 3% to 4%. TANGEDCO has submitted the details to the State Commissioner for the Differently Abled regarding the persons who are suitable to be considered for appointment by Direct Recruitment in the post belonging to Group A and B based on the basis of Physical Disability. Further, based on the discussions held among the 231 sectors of Government to identify the type of persons to be appointed under Group A & B the recommendations of TANGEDCO has been taken into consideration by the Director, Directorate of Differently Abled for placing the proposal to the expert committee and to issue suitable orders from the Government. However, the orders regarding identification of suitable post in respect of Group A and B in TANGEDCO is yet to be issued by the Government. The vacancies mentioned above are subject to alterations/inclusions/ omissions based on the approval of the Government and also subject to the decision to be taken in W.P.No.21776 of 2019 & Appeals to be filed if any in this regard.
- I. Reservation of appointment to “Destitute Widows” and “Ex-servicemen” **shall not apply to this recruitment.** Provided that in all cases, an Ex-Serviceman once recruited to a post in any service or class or category, cannot claim the concession of being called an Ex-Serviceman for his further recruitment.

- J. Even after filling up of the posts reserved for SC Arunthathiyars on preferential basis, if more number of qualified Arunthathiyars are available, they shall be entitled to compete with the Scheduled Castes other than Arunthathiyars in the inter-se merit among them and if any posts reserved for Arunthathiyars remain unfilled for want of adequate number of qualified candidates, it shall be filled up by Scheduled Castes other than Arunthathiyars.
- K. The selection for appointment to the above said posts is purely provisional subject to final orders on pending Writ Petitions or Writ Appeals, if any, filed before the Hon'ble Madras High Court and Madurai Bench of Madras High Court.
- L. Correct and true information regarding arrest, convictions / debarment/ disqualification by any recruiting agency, criminal or any disciplinary proceedings initiated or finalised, participation in agitation or any Political Organisation, candidature in election for Parliament / State Legislature / Local Bodies etc, if any, should also be furnished to the TANGEDCO at the time of application i.e. the details thereof, originals of the judgment of Acquittals, order/ or G.O. Dropping further action in Departmental proceedings or any document that may prove the suitability of such candidates for a Government appointment in such cases must be produced at the stage / time of certificate verification. Any of the above said events that occur after submission of application and before actual appointment shall also be informed to the TANGEDCO. Failure to inform will entail suitable penal action as decided by the TANGEDCO.
- M. The original certificate for any claim relating to the selection should be produced when called for. Any claim received thereafter will receive no attention.
- N. Evidence for claims made in the online application should be uploaded / submitted in time when called for the documents. Any subsequent claim made thereafter on submission of online application will not be entertained. Failure to submit the documents within the stipulated time limit will entail rejection of the Application.
- O. Applications containing wrong claims relating to other basic qualifications / eligibility age/ category of reservation / educational qualification will be liable for rejection, at any stage of the Selection Process and necessary action will be taken as decided by TANGEDCO.**
- P. Regarding determination of community and reservation in employment for third gender, refer G.O.(Ms).No.90, Social Welfare and Nutritious Meal Programme [SW8 (2)] Department, dated 22.12.2017
- Q. NO OBJECTION CERTIFICATE / INFORMATION TO THE EMPLOYER Persons who are in service should apply for this examination only after informing the appointing authority '**No Objection Certificate**' obtained from appropriate authority shall be produced at the time of Certificate verification, failing which, the application will be rejected. Any violation of this instruction will be liable for / end in rejection of application and forfeit his/her candidature. Person who gets employment in Government Services after the submission of their applications should also produce the No Objection Certificate (as per the format specified at **Annexure-IX**) at the time of Certificate verification.

- R. Words of Masculine Gender in these instructions should wherever the context so requires be taken to include Female Gender.
- S. The TANGEDCO reserves its right to postpone/cancel the recruitment process at any stage without assigning any reasons thereof.

**6. PROCEDURE OF SELECTION**

**A. SELECTION METHOD:**

- (i) Apply the post in online and appearing for online examination alone is not guarantee for appointment or selection to the post.
- (ii) All eligible candidates including the candidates sponsored by the Employment Exchange, Apprentices candidates in TNEB/ TANGEDCO/ TANTRANSCO and open market should apply through ON LINE to appear in the Competitive online examination. The tentative list of eligible candidates (i.e., from the list of candidates who have appeared for the Competitive Online exam) will be called in the ratio of 1: 1 for certificate verification as per the marks obtained by the candidates in the examination and as per communal roster.
- (iii) The competitive Online exam shall be conducted by TANGEDCO/ TNPSC or any other agency as decided by the competent authority at that time of events.
- (iv) The tentative list of eligible candidates (i.e., from the list of candidates who have appeared for the exam) will be called in the ratio of 1:1 for certificate verification as per the marks obtained by the candidates in the Competitive written/ Online Exam and as per Communal roster.
- (v) After verification of the original certificate, the eligible candidates will be selected as per eligibility, merit of the marks in Competitive online Examination and rule of reservation (respective turn in the Communal roster).
- a) Provided that, when a candidate earmarked in the tentative communal roster against the vacancy reserved for Scheduled Castes, Scheduled Tribes, Most Backward Classes/ Denotified Communities, Backward Classes, Backward Class Muslims or General Turn or in the case of priority or preferential Quota, found to be ineligible or if absent, during Certificate Verification, such turn shall be filled from the respective category and in accordance to the merit of marks.
- b) Provided also that, the candidates must have full eligibility and such candidates appointed shall be placed below all the candidates earmarked in the tentative communal roster.
- c) Provided also that, even thereafter if the vacancy remains unfilled due to non availability of candidates, the process stated under (iv) and (v) above may be repeated until the vacancy is filled or until there is no availability of required eligible candidates or as decided by the Competent Authority at that point of time.

(vi) Provided other things being equal among candidates, preference for selection will be given to apprenticeship holders who have undergone apprenticeship training in TANGEDCO/ TANTRANSCO/TNEB (prior to the date of notification).

**ONLINE EXAMINATION (CBT)**: The question paper for ONLINE EXAMINATION (Computer based test) will be of Objective type in the Engineering standard. For Electrical Engineering it will be in English and for Mechanical and Civil it will be in English as well as Tamil.

**B) ONLINE EXAMINATION:**

SUBJECT (ONLINE EXAMINATION)		DURATION	MAXIMUM MARKS
i.	Part-I Engineering Mathematics (Common to all Candidates)	20 Items/ marks	2 Hours  100
ii.	Part-II Basic Engineering & Sciences (Common to all Candidates)	20 Items/ marks	
iii.	Part-III ( Subject/Stream oriented)	60 items/ marks	

**C) QUESTIONS AND EVALUATION SCHEME:**

Sl. No	Type	No. of Questions	No. of alternative answers	Max mark for correct answer	Max marks	Negative mark for every wrong answer
1	Part I	20	4	1	20	1/3
2	Part II	20	4	1	20	1/3
3	Part III	60	4	1	60	1/3

**Note:**

- Marks will not be deducted for the questions left unanswered.
- There is no change in the syllabus of optional subjects which are available in the website.

## **D) NORMALISATION OF MARKS :**

Short listing of Candidates for various stages shall be based on the normalized marks obtained by them whenever CBT is conducted in multiple sessions for the same syllabus.

## **E) CALCULATION OF NORMALIZED MARKS FOR MULTI -SESSIONS PAPERS:**

CBT (Computer Based Test) may have to be conducted in multi-sessions based on applicants strength. For these multisession papers, a suitable normalization is applied to take into account any variation in the difficulty levels of the question papers across different sessions. The formula for calculating the normalized marks for the multi-session papers is detailed below:

Normalization mark of  $j^{\text{th}}$  candidate in  $i^{\text{th}}$  session  $\widehat{M}_{ij}$  is given by:

$$\widehat{M}_{ij} = \frac{\overline{M}_t^g - M_q^g}{\overline{M}_{ti} - M_{iq}} (M_{ij} - M_{iq}) + M_q^{gm}$$

$M_{ij}$  : is the actual marks obtained by the  $j^{\text{th}}$  candidate in  $i^{\text{th}}$  session.

$\overline{M}_t^g$  : is the average marks of the top 0.1% of the candidates considering all sessions.

$M_q^g$  : is the sum of mean and standard deviation marks of the candidates in the paper considering all sessions.

$\overline{M}_{ti}$  : is the average marks of the top 0.1% of the candidates in the  $i^{\text{th}}$  session or marks of topper if session strength is less than 1000.

$M_{iq}$  : is the sum of the mean marks and standard deviation of the  $i^{\text{th}}$  session.

$M_q^{gm}$  : is the sum of mean marks of candidates in the shift having maximum mean and standard deviation of marks of candidates in the examination considering all shifts.

Calculation of marks will be up to 4 decimals places.

## **F) SYLLABUS:**

The syllabus for Electrical, Mechanical and Civil are available in TANGEDCO website as **Annexure-I**.

### **7. CENTRES FOR EXAMINATION**

**The centre for examination will be updated in the TANGEDCO website and will be informed to the candidates in their registered mail id.**

**Note:** The TANGEDCO reserves the right to increase/decrease the number of centres and to re-allot the candidates.

## 8. FEES

COMMUNITY	AMOUNT
OC, BCO, BCM, MBC/ DC	Rs. 1000/- (Rupees One Thousand only)
SC, SCA, ST	Rs.500/- (Rupees Five Hundred only)
Examination Fees Destitute widow and Differently abled persons	Rs.500/- (Rupees Five Hundred only)

### Note:

- i) Candidates have also to pay the GST and service charges as applicable to the bank.
- ii) The Examination Fees will not be reimbursed to the Applicant on account of any reason.
- iii) The TANGEDCO will not be liable for any failure in transaction at the time of payment of fees.

## 9. CONCESSIONS:

Persons claiming concessions in the matter of age, priority and/or fee allowed Referred to above has to produce evidence for such claim when called for, otherwise his / her application will be liable for rejection.

## 10. HOW TO APPLY

- 1) Candidate should apply only through Online in the TANGEDCO's Website [www.tangedco.gov.in](http://www.tangedco.gov.in). In the website the candidate can go to the online application portal by clicking the link.
- 2) The candidate should use a valid personal e-mail id and a valid mobile number for registration in online application. This email id and mobile number must be maintained active, as all the communications to the candidates from TANGEDCO will be sent only to the registered email id and mobile number.
- 3) The candidate must keep ready the details of Marks, Percentage/CGPA, Certificate Numbers, Year of Passing, Board/University details etc., in their hands before applying through online.

- 4) Before applying, the candidates should have the following items to be ready in CD or DVD or Pen drive as per the convenience of the candidates.
  - i) Scanned image of their photograph, signature and Thumb impression in **jpeg** format only with prescribed file size, resolution etc. The procedure for taking photograph, signature and Thumb impression are given with full details in the Guidelines to the candidates.
  - ii) Scanned copy of Community Certificate of the candidates belonging to BCO, BCM, MBC/DC, SC, SCA, ST. (Not applicable to OC candidates) in **PDF** format only.
  - iii) Scanned copy of Degree Certificate, Priority certificates, PSTM, Destitute widow Certificates etc., of the candidates (whichever is applicable) in **PDF** format only.
  - iv) Scanned copy of the certificate for Differently abled (if applicable) in **PDF** format only.

#### **11. APPLYING ONLINE:**

1. Candidates are first required to log on to the TANGEDCO's Website [www.tangedco.gov.in](http://www.tangedco.gov.in). In the website the candidate can go to the Online application portal by clicking the link.
2. Follow the procedure given in the Guidelines to the candidates for applying Online.
3. Applying through online have the following major procedures
  - a) One Time User Registration.
  - b) Candidate Profile updation which includes various sections like Personal Information, Educational Qualifications, Apprentice Training & Experiences and Declaration section along with necessary relevant upload of scanned copy of documents.
  - c) Apply for the relevant post that the candidate wishes to apply.
  - d) Download of Bank Challan for paying Examination fees.
  - e) Download of Application form.

**Note: Candidates must take a print out of the application and produced the same as and when called for.**
4. After the candidate completes the One Time Registration, an USER ID with Password will be generated. The User ID & Password has to be kept confidential and should not be disclosed it to anyone.

- 5) This USER ID can be used for log on into the application portal for applying for various posts if the candidates are eligible for that post after updating the relevant profile information.
- 6) Candidates are required to upload their photograph, signature, and left hand thumb impression as per the specifications given in the Guidelines for scanning and upload of photograph, signature, and left hand thumb impression. If the candidate is coming under differently abled category and unable to take left hand thumb impression, then the candidate can take Right hand thumb impression. **An online application uploaded without photograph, signature, and thumb impression will be rejected.**
- 7) Candidates must upload the relevant scanned copies in PDF format as follows:-

Sl. No.	Certificate	Description
1)	Provisional or Degree Certificate	Proof of prescribed Educational Qualification in support of their Educational qualification
2)	Community Certificate	All the communities (other than OC) belonging to SC/SCA/ST/BCO /BCM / (MBC/DC) in case of those who claims quota under communal reservations.
3)	Priority Certificates for <ul style="list-style-type: none"> <li>• Ex-Serviceman</li> <li>• Disabled Ex-serviceman</li> <li>• Dependent of Ex-serviceman killed/Disabled in action</li> <li>• Destitute widow</li> <li>• Dependents of serving personnel</li> <li>• Inter-caste marriage</li> <li>• Repatriate (Country)</li> <li>• Member of the family whose lands acquired by the Government.</li> <li>• Dependents of freedom fighter</li> <li>• Retrenched</li> </ul>	To avail special category reservation. (If applicable)  Necessary certificate obtained from the Competent Authority has to be uploaded and also should be produced at the time of verification or as and when called for. <b>Note:- The format of certificates are given in PDF format for reference as Annexure – IV to Annexure- VIII to this notification.</b>
4)	Differently abled certificate	To avail the Differently abled reservation.
5)	Studied Prescribed Qualification in Tamil Medium	The PSTM certificate shall be obtained from the Head of the Institution for passing Degree in Tamil.

**Note:** Candidate who have One Time Registration User ID and Password have to apply separately for all Notifications. One Time Registration will not be considered as an application for any post.

### **13.(i) MODE OF FEE PAYMENT:**

- 1) The candidates can make payments through Bank Challan, Net Banking, Payment Gateway and Debit/Credit card.
- 2) For mode of payment candidates have to select either Canara Bank or Indian Bank or Indian Overseas Bank
- 3) Click “Download Challan” option. System will generate the payment challan which the candidates need to take print out and go to the nearest branch of Indian bank or Canara bank as the case may be, to make the payment
- 4) Collect the Candidate and TANGEDCO copy of the fee payment challan from the bank branch. Please check that **Bank reference No, TANGEDCO acknowledgement number**, Bank Branch code, and Deposit Date have been noted in the challan and is properly signed by the branch authorities. TANGEDCO copy need not be uploaded or submitted to TANGEDCO, but to be kept safe and to be produced when required.

**Note:** Payment of fees in the form of Demand Draft / Postal Order etc. will not be accepted and the fee will not be ordinarily refunded.

### **13.(ii) PRINT OPTION:**

1)	After submitting the application, candidates can print/save their application in PDF format and should produced the same as and when called for.
2)	After logon to the application portal using User ID and password, Candidate can download their application and print it.
3)	Candidates need not send the printout of the online application or any other supporting documents to the TANGEDCO. The certificates and the other documents will be verified only at the time of certificate verification of the eligible candidates which will be intimated later.

### **Note:**

- i) Candidates are advised in their own interest to apply on-line much before the closing date and not to wait till the last date for depositing the fee/intimation charges to avoid the possibility of disconnection/inability/failure to log on the TANGEDCO's website on account of heavy load on internet/website jam.

- ii) TANGEDCO does not assume any responsibility for the candidates not being able to submit their applications within the last date on account of the aforesaid reasons or for any other reason beyond the control of the TANGEDCO.
- iii) Under No circumstances, a candidate should share/mention e-mail ID or Mobile Number to any other person. In case a candidate does not have a valid personal e-mail ID, they should create a new e-mail ID before applying on-line and **must maintain that e-mail account till final results** are announced.
- iv) Candidates should carefully fill in the details in the On-Line Application at the appropriate places and submit the details as per the procedure given in the 'Guidelines to the candidates'. Candidates are advised to verify each and every particular field in the application. The name of the candidate or his/her father etc should be spelt correctly in the application as it appears in the certificates/mark sheets. **Any change/ alteration found may disqualify the candidature.**
- v) **Request for change/ correction in any particulars in the Application form shall not be entertained under any circumstances AFTER THE APPLICATION HAS BEEN SUBMITTED.** TANGEDCO will not be responsible for any consequences arising out of furnishing of incorrect and incomplete details in the application or omission to provide the required details in the application form.

**14) REJECTION OF APPLICATION (At any stage of Recruitment process)**

- a) If application is received after closing date for any reason whatsoever.
- b) If the candidate does not have the required essential qualification.
- c) If the candidate has altered his date of birth, so as to claim eligibility for applying to the post.
- d) If Photograph, signature and Thumb impression are not uploaded in the application form in the prescribed format.
- e) If the photocopies of all related documents are not uploaded as and when asked to do so.
- f) If a candidate fraudulently claims SC/SCA/ST/BCO/BCM/ MBC/DC/Exs./DW/ Differently Abled persons/Priority status.
- g) In case the candidate is found using unfair means or adopting any malpractice at any stage of selection process.

## **15. OTHER IMPORTANT INSTRUCTIONS**

- a) **Candidates should ensure their eligibility for examination:** The candidates applying for the examination should ensure that they fulfill all eligibility conditions for admission to examination. **Their admission to the examination will be purely provisional subject to satisfying of the eligibility conditions.** Mere issue of memo of admission to the candidate will not imply that his/her candidature has been fully cleared by the TANGEDCO.
- b) **How to apply:** Candidates are required to apply Online by using the website [www.tangedco.gov.in](http://www.tangedco.gov.in). Detailed instructions for filling up online application are given in Para 11 of this Notification.
- c) The Hall Tickets to be sent to the eligible candidates will also be made available in the TANGEDCO's Website for downloading by candidates. No Hall Ticket will be sent by post. So, the candidates should watch TANGEDCO website for the scheduled date of examination and for further updation till the finalisation of selection process.
- d) **Facilitation centre for guidance of candidates:** In case of any guidance / information / clarification of their applications, candidature, etc. candidates can contact TANGEDCO office in person or over Telephone No.044-28522256 or through e-mail id [sporecruit@tnebnnet.org](mailto:sporecruit@tnebnnet.org) on all working days between 10.30 a.m. and 05.15 p.m.
- e) **Mobile Phones and other Articles Banned :**
- (i) Candidates are not allowed to bring Pager, Cellular Phone, Calculator, Memory Notes and books etc. or any other Electronic device or Recording Device either as separate piece or part of something used by the candidate such as Watch or Ring inside the Examination Hall.
  - (ii) If they are found to be in possession of any such thing or instrument they will not be allowed to write the examination further, besides invalidation of answer paper and / or debarment. If it is considered necessary they will be subjected for a physical search including frisking on the spot.
  - (iii) Do not bring into the Examination Hall any article such as books, notes, loose sheets, mathematical and drawing instruments, Log Tables, stencils of maps, slide rules, Text Books, rough sheets etc. except the permitted writing material i.e. pen. No colour pen or pencil must be used.
  - (iv) Candidates are advised in their own interest not to bring any of the banned items including Mobile Phones / Pagers to the venue of the examination, as arrangements for safekeeping cannot be assured.

- f) The candidates applying for the examination should ensure that they fulfill all the eligibility conditions for admission to the Examination. Their admission for Online EXAMINATION will be purely provisional, subject to satisfying the prescribed eligibility conditions. The certificates should be submitted when called for certificate verification by the TANGEDCO. If on verification, at any time, before or after the Online EXAMINATION, it is found that they do not fulfill any of the eligibility conditions, their candidature for the examination will be cancelled by the TANGEDCO.
- If any of their claims found to be incorrect, they may render themselves liable to disciplinary/criminal action by the TANGEDCO.
  - **Unfair means strictly prohibited:** No candidate shall copy or watch for answers from any other candidate nor permit to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description for Online examination.
- g) Conduct in Examination Hall: No candidate should misbehave in any manner or create a disorderly scene in the Examination Hall or harass the staff employed by the TANGEDCO for the conduct of the examination. Any such misconduct will be severely viewed & penalized.
- h) The applicants while applying for the examination should furnish the details of equivalence of qualification declared in the form of Government Order issued prior to the date of this notification, if any, and produce the same during certificate verification or when called for by TANGEDCO, failing which their application will be rejected. The Government Orders issued regarding equivalence of prescribed qualification after the date of this notification will not be accepted.
- i) After notification during the process of recruitment till completion of the entire examination process, no information under Right to Information Act would be furnished.
- j) The details regarding applications etc. pertaining to this Direct Recruitment will be only made available to candidates under R.T.I. etc.. within 6 months from the date of publication of results. Any application/request beyond the period of 6 months will not be entertained.

**The Online Application can be filled upto 24 .02 .2020 till 23.59 Hrs. after which the link will be disabled**

*(For any additional information the candidates may refer the TANGEDCO's website [www.tangedco.gov.in](http://www.tangedco.gov.in))*

**Chief Engineer/ Personnel**

## ANNEXURE - I

### SYLLABUS

#### **PART – I**

#### **ENGINEERING MATHEMATICS (Common to all Candidates)**

- i) Determinants and Matrices:** Solving system of equations – Rank of the Matrix – Eigenvalues and eigenvectors – Reduction of quadratic form to canonical form.
- ii) Calculus and Differential Equations:** Partial derivatives – Jacobians – Taylor's expansion – Maxima and Minima. Linear ordinary differential equations with constant coefficients – Simultaneous first order linear equations with constant coefficients. Formation of partial differential equation (PDE) – Solution of first order PDE – Solution of linear higher order PDE with constant coefficients.
- iii) Vector Calculus:** Double and triple integrations and their applications – Gradient, Divergence, Curl and Laplacian – Green's, Gauss divergence and Stroke's theorem.
- iv) Functions of Complex Variables and Complex Integration :** Analytic functions – Conformal Mapping – Bilinear transformation – Cauchy's integral theorem and integral formula – Taylor and Laurent Series – Singularities – Residues – Residue theorem and its applications.
- v) Transforms:** Laplace Transform – Inverse transforms – Application to solution of linear ordinary differential equations with constant coefficients. Fourier integral theorem – Fourier transform pair – Sine and Cosine transforms. -transform – Inverse Z- transform – Solution of difference equations using Z- transform.
- vi) Numerical Methods:** Solution of linear system by direct and iterative methods – Interpolation and approximation – Numerical Differentiation and Integration – Solving Ordinary Differential Equations.
- vii) Applied Probability:** Probability and Random variables – Standard Discrete and Continuous distribution – Moments – Moment generating function and their properties. Two-Dimensional Random Variables – Covariance – Correlation and Regression.

## PART – II

### BASIC ENGINEERING & SCIENCES (Common to all Candidates)

- i) Applied Mechanics** : Law of Mechanics – Lamé's theorem – Forces, Moments and Couples – Displacement, velocity and Acceleration – Friction – Moment of Inertia.
- ii) Mechanical Engineering** : Laws of thermodynamics – Open and closed systems – Equation of state – Heat and Work.
- iii) Physics** : Sound – Lattices – Ultrasonic flaw detector – X-ray radiography – Interference Fringes – Planck's quantum theory – Laser and Fibre Optics.
- iv) Material Science** : Fracture – Magnetic and Dielectric materials – Conductor and Semi conductor materials – Ceramic and Super conductor materials.
- v) Civil Engineering** : Fluid Statics and Dynamics – Boundary Layer – Pumps and Turbines – Environmental Pollution. **vi) Electrical Engineering** : Ohm's law – Kirchoff's law – A.C. circuits – D.C. machines – Transformers – Synchronous machines – Instrumentation. **vii) Computers** : Computer organisation – Architecture – Arrays – Pointers – User defined function – C program. **viii) Chemistry** : Adsorption – Chromatography – Chemical kinetics – Electrochemistry – Spectroscopy – Fuels and Combustion.

## PART – III

### 1. CIVIL ENGINEERING

#### **i) Structural Engineering :**

Mechanics: Stress-Strain Relationships – Principal stresses and Principal strain in two dimension and three dimension. Composite Bars – Composite Beams – Elastic Constants. Beams and Bending – Shear Force and Bending Moment Diagrams – Flexural and Shear Stresses. Slope and Deflection of Beams. Thin and Thick Cylinders. Torsion. Theories of Failure – Unsymmetrical Bending – Curved Beams – Theories of Columns. Combined Direct and Bending Stresses.

Structural Analysis: Static and Kinematic Indeterminacy – Energy Principles – Deflection of pin jointed plane frames – rigid frames. Classical Method of Analysis of indeterminate structures (Slope deflection and Moment Distribution) – Matrix Method. Arches and Suspension Bridges – Influence Line for Determinate and Indeterminate Structures. Plastic Analysis of Structures.

Building Materials: Cement - Concrete – properties of ingredients- Mix Design- Quality Control- Special Concrete – Concreting Methods- Brick – Brick Masonry – Stone – Timber – Steel.

Concrete Structures: Design Methods – Limit State Design for beams, slabs, columns and footings – retaining walls – Water Tanks. Prestressed Concrete – Principles – Methods – Losses – Deflection – Design.

Steel Structures: Steel Sections – Connections – Design of Tension and Compression Members – Beams, Column Bases – Plate Girders and Trusses.

**ii) Soil Mechanics and Foundation Engineering** : Soil Mechanics: Nature of soil – phase relationships – Soil classification; Soil water – static pressure – effective stress principle; permeability – seepage; Stress distribution in soil – Consolidation (Terzaghi's one dimension consolidation theory); Compaction shear strength of soil – Mohr – Coulomb theory – determination of shear strength by different methods; Slope stability analysis – protection measures.

Foundation Engineering: Site investigation – scope and objectives – drilling techniques – depth and spacing of boreholes – sampling Techniques – penetration tests (SPT and SCPT) – plate load test – selection of foundation; Foundation types – shallow foundation – bearing capacity (Terzaghi's Theory and BIS formula) – allowable bearing pressure – bearing capacity from field tests – settlement of foundation – allowable settlement – Codal provisions; Design of foundations – Isolated, combined and raft foundation; Pile foundations – static and dynamic pile driving formulae (Engineering News and Hiley method) – Pile groups – capacity and settlement – Codal provisions – pile load test – negative friction on piles; Earth pressure theories – Earth pressure on retaining walls – stability analysis of retaining wall.

**iii) Transportation Engineering** : Highway Planning: Road Classification, Geometric Design of Highways, Construction of Earth, WBM, Bituminous and concrete roads, Design of flexible and rigid pavements. Drainage of roads, maintenance of roads. Railways, Airways, Docks and Harbour Planning: Railway alignment, components of permanent way, geometric design Airport planning, components of airport, site

selection, planning for terminal building, runways. Harbour planning, components of harbour, inland water transport.

Traffic Engineering: Traffic characteristics, Traffic surveys, Traffic Signals, Road markings and signs.

**iv) Water Resources Engineering** : Fluid Mechanics and Hydraulics: Properties of fluids. Fluid statics and relative equilibrium. Basic concepts of fluid flow - kinematics and dynamics. Concept of system and control volume application to continuity, momentum and energy equations. Dimensional analysis and model studies. Laminar and turbulent flow through pipes. Boundary layers. Steady uniform and gradually varied flow in open channels. Rapidly varied flows. Turbines and pumps and positive displacement pumps.

Hydrology and Ground Water: Hydrometeorology. Hydrologic cycle. Precipitation and its measurements. Abstractions. Runoff estimation. Hydrograph analysis. Unit Hydrograph. Hydrologic extremes floods and droughts. Rainwater harvesting. Properties of aquifer. Groundwater development. GEC norms. Well hydraulics. Steady and unsteady flows. Ground water quality.

Irrigation Engineering: Irrigation system. National water policy. Components of irrigation network. Design of lined and unlined channels. Waterways, head works, gravity dams and spillways. Design of weirs on permeable foundation. Soil water relations. Crop water requirements. Irrigation scheduling and methods. Duty, delta and base period. Irrigation water quality. Irrigation water management. Participatory approach.

**v) Environmental Engineering** : Water and Waste water Engineering: Water requirements; water demand, quality standards; Development of water supply source, conveyance system; basic unit processes and operations for water treatment; water distribution; sewage characteristics; sewage treatment, primary and secondary treatment of sewage, sludge disposal, sewage disposal.

Air Pollution and Control: Types of pollutants, their sources and impacts, air pollution meteorology, air pollution control, air quality standards and limits.

Noise Pollution and Control: Impacts of noise, permissible limits of noise pollution, measurement of noise and control of noise pollution.

**vi) Surveying**: Surveying: Chain survey-traversing-plotting: compasses-bearings - plane table-leveling-bench marks-temporary and permanent adjustments-reduction: contouring and volumes-theodolites - Gale's table-lay out - setting out works-curve ranging-mine surveying-techeometric survey triangulation- base line-correctionstrigonometric leveling - errors and sources-classification of errors-

equationlevel netsastronomical survey-practical astronomy-photogrammetry-EDM-hydrographic surveyriver.

Electronic survey- infrared EDM-microwave system-modern positioning systems - trilateration.

## 2. MECHANICAL ENGINEERING

**i) Mechanics** : Statics of Particles, Equilibrium of Rigid Bodies, Properties of Surfaces and Solids, Dynamics of Particles, Friction and Elements of Rigid Body Dynamics – Basics of Mechanisms, Kinematics of Linkage Mechanisms, Kinematics of Cam Mechanisms, Gears and Gear Trains, Friction, Force Analysis, Balancing and Vibration.

**ii) Strength of Materials and Design** : Stress, Strain and Deformation of Solids, Transverse Loading on Beams and Stresses in Beams, Deflection of Beams, Energy Principles, Thin cylinders and spherical vessels Torsion - Fundamentals of Design for Strength and Stiffness of Machine Members, Design of Shafts and Couplings, Design of Fasteners and Welded Joints, Design of Springs and Engine Parts, Design of Engine parts, Bearings and Flywheels, Design of Transmission Systems for Flexible Elements, Spur Gears and Parallel Axis Helical Gears, Bevel, Worm Gears and Crossed Helical Gears, Design of Gear Boxes, Design of Cam, Clutches and Brakes.

**iii) Material Science and Metallurgy** : Constitution of Alloys and Phase Diagrams, Heat Treatment, Ferrous and Non ferrous Metals, Non-Metallic Materials, Mechanical Properties and Testing, Crystal Defects and Strengthening of Materials Conducting and Semiconducting Materials, Magnetic and Dielectric Materials, Nuclear Physics, Superconducting and New Engineering Materials.

**iv) Thermodynamics:** Basic Concepts and First Law, Second Law, Entropy and Availability, Properties of Steam, Psychrometry, Ideal and Real Gases and Thermodynamic Relations, Fuels and Combustion, - Gas Power Cycles, Steam Turbines, Internal Combustion Engines, Internal Combustion Engines Testing and Performance, Gas Turbines, - Steam Nozzle, Air Compressor, Refrigeration and Air-Conditioning, Boilers, Cogeneration and Waste Heat Recovery.

**v) Heat Transfer:** Conduction, Phase Change Heat Transfer and Heat Exchangers, Radiation, Mass Transfer- Refrigeration Cycle, Refrigerants, System Components and Balancing, Psychrometry, Air Conditioning Systems, Unconventional Refrigeration Cycles.

**vi) Production Technology** : Foundry Technology, Hot & Cold Working, Forging, Advances in Forming Process, Principles and Applications of Joining Processes, Theory of Metal Cutting, Centre Lathe and special Purpose Lathes, Reciprocating Machines, Milling Machines and Gear Cutting, Abrasive Process, Broaching, CNC Machine Tools and Part Programming.

**vii) Automotive Engines** : Engine Construction and Operation, SI Engine Fuel System, Cooling and Lubrication System, Combustion and Combustion Chambers, Two Stroke Engines, Diesel Engine Basic Theory, Fuel Injection System, Air Motion, Combustion and Combustion Chambers, Supercharging and Turbocharging, Diesel Engine Testing and Performance.

### **3. ELECTRICAL & ELECTRONICS ENGINEERING**

**i) Electrical Circuits and Fields** : KCL, KVL, Nodal & Mesh analysis, transient response of D.C and A.C networks; sinusoidal steady-state analysis; resonance in electrical circuits; concepts of ideal voltage and current sources, network theorems, driving point admittance and transfer functions of two port network, three phase circuits; Fourier series and its application; Gauss theorem, electric field intensity and potential due to point, line, plane and spherical charge distribution, dielectric, capacitance 7 calculations for simple configurations; Ampere's and Biot-Savart's law, inductance calculations for simple configurations.

**ii) Electrical machines** : Single phase transformer-equivalent circuit, phasor diagram, tests, regulation and efficiency; three phase transformer-connections; auto transformer; principles of energy conversion, windings of rotating machines: D.C generators and motors-characteristics, starting and speed control, armature reaction and commutation; three phase induction motors-performance characteristics, starting and speed control; single-phase induction motors; synchronous generators- performance, regulation; synchronous motors-starting characteristics, applications, synchronous condensers; fractional horse power motors; permanent magnet and stepper motors.

**iii) Power Systems** : Electric power generation – thermal, hydro, nuclear; transmission line parameters; steady-state performance of overhead transmission lines and cables and surge propagation; distribution system, insulators, bundle conductors, corona and radio interferences effects; per-unit quantities; bus admittance and impedance matrices; load flow; voltage control and power factor correction; economic operation; symmetrical components, analysis of symmetrical and unsymmetrical faults; principle of over current, differential and distance protections; concepts and solid state relays and digital

protection; circuit breakers; principles of system stability-swing curves and equal area criterion

**iv) Control systems** : Principles of feedback; transfer function; block diagram; steady-state errors; stability- Routh and Nyquist criteria; Bode plots; compensation; root loci; elementary state variable formulation; state transition matrix and response for Linear time Invariant systems.

**v) Power Electronics and Drives** : Semiconductor power devices-diodes, transistors, thyristors, triacs, GTO, MOSFETs and IGBTs-static characteristic and principles of operation; triggering circuits; phase control rectifiers; bridge converters-fully controlled and half controlled; principles of choppers and inverters, basic concepts of adjustable speed dc and ac drives.

**vi) Digital Electronics** : Digital Logic Theory: Number systems-Combinational logic circuits-Minimisation of Boolean functions-IC families-Arithmetic circuits, Multiplexer & decoders-Sequential circuits-Flip flops, counters, shift registers, Schmitt trigger, timers and multivibrators.

Microprocessor : General 8 bit microprocessor Architecture-8085, 8086 processor – Architecture, Memory, I/O interfacing, Instruction set, Addressing modes, Timing diagram & delays, Machine cycles, Interrupts, counters, Assembly language programming.

Microcontrollers: 8 bit microcontroller – 8051 architecture, bus configuration, Instruction sets, programming & applications.

**vii) Digital Signal Processing** : Analog signals-sampling & Aliasing-Discrete time signals & systems- LTI systems- Convolution sum-Difference equation representation-Z Transform & its Inverse-Discrete Fourier series & Fourier transform-Radix 2 FFT – Decimation in time and frequency- Inverse DFT using FFT-Analog Butterworth & Chebyshev filter design-IIR & FIR filter design and Realisation.

**viii) Computer Control of Processes, Networks** : State models and state equations-controllability & observability-pole assignment-discrete data system – state space representation-stability-data hold, Z & modified Z transform – Pulse transfer function-programmable logic controllers. Data networks-switching OSI, Data link control, Media access protocol-BISYNC, SDLC, HDLC, CSMA/CD, TCP/IP Bridges, routers, gateways, Ethernet and Arcnet configuration.

**ix) Communication Engineering :** Modulation and demodulation systems – Types of transmission lines – losses – standing waves – Ground wave and space wave propagation – Digital communication concepts – Data Communication codes, serial and parallel interface – Network protocol – Types of satellites – Advantages of optical fibre communication.

#### **4. ELECTRONICS AND COMMUNICATION ENGINEERING**

**i). Circuit Analysis:** DC Circuit analysis, Thevenin's and Norton's equivalent circuits, Sinusoidal steady state analysis, Transient and resonance in RLC circuits.

**Electronic Devices:** Diodes, Bipolar Junction Transistors, FET, MOSFET, UJT, Thyristor.

**Electronic Circuits:** Small signal amplifiers using BJT and FET devices, Large signal amplifiers, Power supplies, Feed back amplifiers, Oscillators, Pulse shaping circuits.

**Digital Electronics:** Logic gates, Combinational circuits, Sequential circuits.

**Linear Integrated Circuits:** Operational amplifiers and its applications, PLL, Voltage regulators, A/D and D/A converters.

**Measurements and Instrumentation:** Transducers, Digital Instruments, Display and Recording systems. **Microprocessor and its applications:** Microprocessors-8085 and 8086 architectures and interfaces, Micro-controller and applications.

**ii). Electromagnetic Fields:** Static Electric and Magnetic fields, Time varying Electric and Magnetic fields, Maxwell equations. **Transmission Lines and Networks:** Transmission line equations, impedance matching, Filters.

**EM waves and waveguides:** Guided waves, Rectangular and cylindrical waveguides.

**Antennas and Propagation:** Aperture antennas, arrays, Propagation of radio waves.

**Microwave Engineering:** Microwave tubes, semiconductor devices, Passive components, Microwave measurements.

**iii). Communication Theory and Systems:** AM, FM and PM, Sampling and Quantisation, PCM, DM, ADM, Multiplexing.

**Digital Communication:** Base band signaling, Band pass signaling, Error control coding, Spread spectrum techniques.

**Computer Communication Networks:** Definition of layers, data link protocols, Network interconnection. Message routing technologies, End-End protocols.

**Optical Communication:** Optical Fibers, optical transmitters and receivers.

**iv). Signals and Systems:** Continuous time signals and systems-Fourier Transform, Laplace transform, Discrete time signals and systems-DTFT, DFT, Z-Transform.

**Digital Signal Processing:** IIR and FIR filters, Realisation and implementation, Quantisation effects.

**Control Systems:** Transfer function, Time and frequency response analysis, Stability analysis, state variable analysis

## 5. PRODUCTION and MANUFACTURING

**i) Basic Mechanisms and Elements of Design :** Mechanisms, Friction, Gearing and Cams, Balancing, Vibration, Fundamentals of Design, Design of Basic Machine Elements, Design of Mechanical drives, Design of Automotive components, Recent Advances.

**ii) Casting, metal forming and metal joining processes :** Casting Processes, Welding Processes, Special Casting Processes, Testing of Castings & Weldments - Fundamentals of Metal Forming, Forging and Rolling, Extrusion and Drawing Processes, Sheet Metal Forming Processes, Recent Advances, Mechanisms, Friction, Gearing and Cams, Balancing, Vibration, Fundamentals of Design, Design of Basic Machine Elements, Design of Mechanical drives, Design of Automotive components, Recent Advances.

**iii) Tool Engineering, Machine tool operation, Metrology and Inspection :** Mechanics of Metal Cutting, Tool Material, Tool Wear and Tool Life, Gear Manufacture, Concept & Programming of CNC machines, Advanced CNC programming & Tooling - General Concepts of measurements, Linear and Angular measurements, Measurement of Surface Finish Measuring Machines, Metrology of Screw Thread & Gears, Computer Aided Inspection and Laser Metrology - Strength and rigidity of machine tool structures, Slideways, Spindles and spindle supports, Machine Tool Dynamics.

**iv) Engineering Materials, and Computer Aided Manufacturing :** Introduction and Constitution of Alloys and Phase Diagrams, Heat Treatment, Ferrous and Non Ferrous Metals, Mechanical Properties and Testing, Welding and Foundry Metallurgy, Manufacturing Processes for Plastic, Mechanical, Chemical and Electro-chemical energy based processes, Electrical Energy based Waste Processes, Thermal Energy Process, Rapid Prototyping and Rapid Tooling – polymer Matrix Composites, Metal Matrix Composites, Ceramics Matrix Composites, Advances in Polymers & Composites.

**v) Product and Process Design, Design of Jigs and Fixtures and Press Tools :** Computer Aided Design, Computer Graphics Geometric Modelling, Product Design Concepts, Recent Advances, Process Planning, Estimating, Costing and Elements of Cost, Analysis of Overhead Expenses, Estimation of Costs for Forging, Casting and Welding, Estimation of Machining Time, Purpose Types and Functions Of Jigs and Fixtures, Jigs, Fixtures, Press working Terminologies and Elements of dies and Strip Layout, Design and Development of Dies.

**vi) Operations Research:** Linear Programming, LP Extensions, Networks, Inventory Models, Dynamic Programming, Decision Analysis, Game Theory, Waiting Line Models, Markov Processes.

**vii) Operations Management :** Forecasting, Aggregate Planning, Capacity Management, Production Activity Control, Estimation and Costing, Product Cost Estimation, Software Cost Estimation, Costing Methods, Cost Analysis for Planning and Control.

**viii) Quality Control Reliability and Maintenance :** Quality Concepts, Statistical Process Control, Process Capability Analysis, Advanced Control Charts, Acceptance Sampling, Reliability Concepts, Failure Data Modeling, Reliability Prediction and Modeling, Reliability Management, Risk Assessment, Maintenance Concept, Maintenance Models, Maintenance Logistics, Total Production Maintenance, Fault Diagnosis.

## **6. INDUSTRIAL ENGINEERING**

**i) Probability, Statistics, Engineering Economy and Costing:** Definitions of probability and sampling theorems, Conditional probability, Mean, median, mode and standard deviation, Random variables, Poisson, Normal and Binomial distributions. Introduction to Managerial Economics, Production and Cost Analysis, Pricing, Estimation of Material and Labour Costs, Estimation of Operational Cost.

**ii) Work System Design and Ergonomics:** Productivity – concepts and measurements; method study, micro-motion study, principles of motion economy; work

measurement – time study, work sampling, standard data, PMTS; job evaluation, merit rating, incentive schemes, Ergonomics- Factors influencing performance, Metabolism - Physiological factors involved in muscular activity, Work posture – Work space layout and Work station design, Safety Management practices – Effect of Environment – heat, cold and noise.

**iii) Operation Research:** Linear programming – problem formulation, simplex method, duality and sensitivity analysis; transportation and assignment models; network flow models; Project management – PERT and CPM, Dynamic Programming, Decision Analysis, Game Theory, Waiting Line Models, Markov Processes, Inventory – functions, costs, classifications, deterministic inventory models, quantity discount; perpetual and periodic inventory control systems, Introduction to simulation and applications

**iv) Operations and Supply Chain Management:** Layout- Classification- Layout Design- Manual Method (SLP) and Computerized Methods (ALDEP, CORELAP and CRAFT), Line Balancing. Product Design and Process Planning Forecasting, Aggregate Planning, Master Production Schedule, MRP-I, Capacity Management, Production Activity Control, Push and pull production systems, concept of JIT manufacturing system, Role of Logistics and Supply chain Management: Scope and Importance- Evolution of Supply Chain - Supply Chain Drivers and Performance measures, IT in supply Chain.

**v) Quality Engineering and Management:** Quality Concepts, TQM -Basic concepts– TQM Framework - Contributions of Quality Gurus - Tools and Techniques, Control charts for variables and attributes, Statistical Process Control, Process Capability Analysis, Acceptance Sampling, Quality Systems, Reliability Concepts, Reliability Prediction and Modeling, Reliability Management, Maintenance Concept, Maintenance Models, Total Productive Maintenance(TPM), Fault Diagnosis, Design of Experiments- Terminologies, Single and multi-factor experiments- Fractional factorial experiments, Introduction to Taguchi Design of experiments

## **7. COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY**

**i) Applied Probability And Operations Research :** Random Processes, Probability Distributions, Queuing Models and Simulation, Testing of Hypothesis, Design of Experiments.

**ii) Discrete Mathematical Structures :** Formal Language and Automata - Graph Theory.

**iii) Compiler Design** : Optimisation – Code Generation – Implementation – Principles of Programming Languages – Programming Paradigms.

**iv) Operating Systems And System Software** : Process Management, Storage Management, I/O Systems, Design and Implementation of LINUX OS, assemblers, Loaders, Linkers, Macro Processors.

**v) Distributed Systems** : Communication and Distributed Environment, Distributed Operating Systems, Distributed Shared Memory, Protocols, Fault Tolerance and Distributed File Systems, Distributed Object Based Systems.

**vi) Programming And Data Structures** : Problem Solving Techniques, Trees, Hashing and Priority Queues, Sorting, Graph, Heap Search.

**vii) Algorithm Analysis And Design Techniques** : Dynamic Programming, Greedy Algorithms, Advanced Algorithms, NP Completeness and Approximation Algorithms.

**viii) Microprocessors And Microcontrollers - Computer Architecture And Organisation** : Digital Fundamentals, Combinational Circuits, Synchronous and Asynchronous Sequential Circuits, Instruction Set Architecture(RISC,CISC,ALU Design), Instruction Level Parallelism, Processing Unit and Pipelining, Memory Organisation.

**ix) Digital Signal Processing** : FFT, Filter Design.

**x) Computer Networks** : Data Communication Systems, Applications.

**xi) Database Management Systems** : Relational Model, Database Design, Implementation Techniques, Distributed Databases, Object Oriented Databases, Object Relational Databases, Data Mining and Data Warehousing.

**xii) Software Engineering Methodologies** : Software Product and Processes - Software Requirements Management - Requirement Engineering, Elicitation, Analysis, Requirements Development and Validation, Requirements Testing - Object Oriented Analysis And Design – Modular Design, Architectural Design, User Interface Design, Real Time Software Design, System Design, Data acquisition System - Software Testing And Quality Assurance - SQA Fundamentals, Quality Standards, Quality Metrics, Software Testing Principles, Defects, Test Case Design Strategies, Software Quality and reusability, Software Project Management, Software Cost Estimation, Function Point Models, Software Configuration Management, Software Maintenance.

**xiii) Artificial Intelligence** : Intelligent Agents, Search Strategies, Knowledge Representation, Learning, Applications.

**xiv) Mobile Computing** : Wireless Communication Fundamentals, Telecommunication Systems, Wireless Networks.

**xv) Security In Computing** : Program Security, Security in Operating Systems, Database and Network Security, Scientific Computing, Information Coding Techniques, Cryptography, Network Security.

## **8. INSTRUMENTATION ENGINEERING**

**i) Measurements:** Units & Standards, Calibration methods, Systematic and random errors in measurement, propagation of errors, static & dynamic characteristics of Transducers. PMMC, MI and dynamometer type instruments. Bridges for measurement of R, L and C. Measurement of voltage, current and power in single and three phase circuits, time, phase and frequency measurements, digital voltmeter, digital multi-meter. Oscilloscope, shielding and grounding.

**ii) Analog Electronics:** Characteristics and applications of diode, Zener diode, BJT and MOSFET. Small signal analysis of transistor circuits, feedback amplifiers, Characteristics of operational amplifiers and applications of opamps:- difference amplifier, adder, subtractor, integrator, differentiator, instrumentation amplifier, precision rectifier and active filters. Oscillators, signal generators, voltage controlled oscillators and phase locked loop.

**iii) Digital Electronics** : Combinational logic circuits, minimization of Boolean functions. IC families:- TTL and CMOS. Arithmetic circuits, comparators, Schmitt trigger, multivibrators, sequential circuits, flip-flops, shift registers, timers and counters, sample-and-hold circuit, multiplexer, analog-to-digital (successive approximation, integrating, flash and sigma-delta) and digital-to-analog converters (weighted R and R-2R ladder), Characteristics of ADC and DAC (resolution, quantization, significant bits, conversion/settling time). Basics of number systems, 8-bit microprocessor and microcontroller:- applications, memory and input-output interfacing, basics of data acquisition systems.

**iv) Industrial Instrumentation & Analytical Instrumentation** : Transducers for industrial instrumentation:- displacement (linear and angular), velocity, acceleration, force, torque, vibration, shock, pressure (including low pressure), flow (differential pressure, variable area, electromagnetic, ultrasonic, turbine and open channel flow meters) temperature (thermocouple, bolometer, RTD (3/4 wire), thermistor, pyrometer and semiconductor); liquid level and viscosity measurement. Smart Transmitters (HART/Foundation Fieldbus enabled Transmitters). pH and conductivity meters, Chromatography, NMR & X-ray Spectroscopy.

**v) Control Systems and Industrial Data Communication:** Laplace, Fourier and z-transforms, DFT and FFT, Basics of IIR and FIR filters. Feedback principles, signal flow graphs, transient response, steady-state-errors, Bode plot, Routh and Nyquist criteria, root loci and state-space representation of systems. Design of lead, lag and lead-lag compensators, on-off, P, P-I, P-I-D, cascade, feed-forward, and ratio controllers. Distributed Control System, PLC & SCADA. Basics of Industrial data Communication and Internet of Things.

**ANNEXURE – II**

**Persons Studied in Tamil Medium (PSTM) Certificate  
(To be issued only by the Head of Institution)**

This is certify that Thiru/Tmt/Selvi. ....(Name) has studied (Course Name ) .....(B.A./B.Sc./B.Com./Any Degree) during the year ..... to .....in Tamil Medium. This certificate is issued after verifying the course content / statement of Marks / Transfer Certificate. The candidate has / has not obtained scholarship for having studied in Tamil Medium.

**Registrar/ Principal**  
Seal of the Institution:

Date :

Place :

## ANNEXURE – III

### LIST OF COMMUNITIES

#### I. SCHEDULED TRIBES

##### Code No.

- 1 Adiyar
- 2 Aranadan
- 3 Eravallan
- 4 Irular
- 5 Kadar
- 6 Kammara (excluding Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 7 Kanikaran, Kanikkar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 8 Kaniyan, Kanyan
- 9 Kattunayakan
- 10 Kochu Velan
- 11 Konda Kapus
- 12 Kondareddis
- 13 Koraga
- 14 Kota (excluding Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 15 Kudiya, Melakudi
- 16 Kurichchan
- 17 Kurumbas (in the Nilgiris District)
- 18 Kurumans
- 19 Maha Malasar
- 20 Malai Arayan
- 21 Malai Pandaram
- 22 Malai Vedan
- 23 Malakkuravan
- 24 Malasar
- 25 Malayali (in Dharmapuri, North Arcot, Pudukkottai, Salem, South Arcot and Tiruchirapalli Districts)

##### Code No. (ST)

- 26 Malayakandi
- 27 Mannan
- 28 Mudugar, Muduvan
- 29 Muthuvan
- 30 Pallayan
- 31 Palliyan
- 32 Palliyar
- 33 Paniyan
- 34 Sholaga
- 35 Toda (excluding Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 36 Uraly

#### II. SCHEDULED CASTES

##### Code No.

- 2 Adi Dravida
- 3 Adi Karnataka
- 4 Ajila
- 6 Ayyanavar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 7 Baira
- 8 Bakuda
- 9 Bandi
- 10 Bellara
- 11 Bharatar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 13 Chalavadi
- 14 Chamar, Muchi
- 15 Chandala
- 16 Cheruman

**Code No. (SC)**

- 17 Devendrakulathan
- 18 Dom, Dombara, Paidi, Pano
- 19 Domban
- 20 Godagali
- 21 Godda
- 22 Gosangi
- 23 Holeya
- 24 Jaggali
- 25 Jambuvulu
- 26 Kadaiyan
- 27 Kakkalan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 28 Kalladi
- 29 Kanakkan, Padanna (in the Nilgiris District)
- 30 Karimpalan
- 31 Kavara (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 32 Koliyan
- 33 Koosa
- 34 Kootan, Koodan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 35 Kudumban
- 36 Kuravan, Sidhanar
- 39 Maila
- 40 Mala
- 41 Mannan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 42 Mavilan
- 43 Moger
- 44 Mundala
- 45 Nalakeyava
- 46 Nayadi
- 47 Padannan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 49 Pallan

**Code No. (SC)**

- 50 Palluvan
- 51 Pambada
- 52 Panan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 53 Panchama
- 54 Pannadi
- 55 Panniandi
- 56 Paraiyan, Parayan, Sambavar
- 57 Paravan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 58 Pathiyan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 59 Pulayan, Cheramar
- 60 Puthirai Vannan
- 61 Raneyar
- 62 Samagara
- 63 Samban
- 64 Sapari
- 65 Semman
- 66 Thandan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 68 Tiruvalluvar
- 69 Vallon
- 70 Valluvan
- 71 Vannan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 72 Vathiriyar
- 73 Velan
- 74 Vetan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 75 Vettiyan
- 76 Vettuvan (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

**II (A) SCHEDULED CASTES**  
**ARUNTHATHI YARS**

**Code No.**

- 1 Adi Andhra
- 5 Arunthathiyar
- 12 Chakkiliyan
- 37 Madari
- 38 Madiga
- 48 Pagadai
- 67 Thoti

**III (A). LIST OF MOST BACKWARD**  
**CLASSES**

**Code No.**

- 1 Ambalakarar
- 2 Andipandaram
- 2A Arayar (in Kanyakumari District)
- 3 Bestha, Siviari
- 4 Bhatraju (Other than Kshatriya Raju)
- 5 Boyar, Oddar
- 6 Dasari
- 7 Dommara
- 8 Eravallar (except in Kanyakumari District and Shenkottah Taluk of Tirunelveli District where the Community is a Scheduled Tribe)
- 9 Isaivellalar
- 10 Jambuvanodai
- 11 Jangam
- 12 Jogi
- 13 Kongu Chettiar (in Coimbatore and Erode Districts only)
- 14 Koracha
- 15 Kulala (including Kuyavar and Kumbarar)
- 16 Kunnuvar Mannadi
- 17 Kurumba, Kurumba Goundar
- 18 Kuruhini Chetty
- 18A Latin Catholic Christian Vannar (in Kanyakumari District)

**Code No. (MBC)**

- 19 Maruthuvar, Navithar, Mangala, Velakattalavar, Velakatalanair and Pronopakari
- 20 Mond Golla
- 21 Moundadan Chetty
- 22 Mahendra, Medara
- 23 Mutlakampatti
- 24 Narikoravar (Kuruvikars)
- 25 Nokkar
- 25A Panisaivan / Panisivan
- 26 Vanniakula Kshatriya (including Vanniyar, Vanniya, Vannia Gounder, Gounder or Kander, Padayachi, Palli & Agnikula Kshatriya)
- 27 Paravar (except in Kanyakumari District and Shenkottah Taluk of Tirunelveli District where the Community is Scheduled Caste)
- 27A Paravar converts to Christianity including the Paravar converts to Christianity of Kanyakumari District and Shenkottah Taluk in Tirunelveli District)
- 28 Meenavar (Parvatharajakulam, Pattanavar, Sembadavar) (including converts to Christianity)
- 29 Mukkuvar or Mukayar (including converts to Christianity)
- 30 Punnan Vettuva Gounder
- 31 Pannayar (other than Kathikarar in Kanyakumari District)
- 32 Sathatha Srivaishnava (including Sathani, Chattadi and Chattada Srivaishnava)
- 33 Sozhia Chetty
- 34 Telugupatty Chetty
- 35 Thottia Naicker (including Rajakambalam, Gollavar, Sillavar, Thockalavar, Thozhuva Naicker and Erragollar)

**Code No. (MBC)**

- 36 Thondaman  
36A Thoraiyar (Nilgiris)  
36B Thoraiyar (Plains)  
37 Valaiyar (including Chettinad Valayars)  
38 Vannar (Salaivai Thozhilalar) (including Agasa, Madivala, Ekali, Rajakula, Veluthadar & Rajaka) (except in Kanyakumari District and Shenkottah Taluk of Tirunelveli District where the Community is a Scheduled Caste)  
39 Vettaikarar  
40 Vettuva Gounder  
41 Yogeewarar

**III (B) LIST OF DENOTIFIED COMMUNITIES****Code No.**

- 42 Attur Kilnad Koravars (Salem, Namakkal, Cuddalore, Villupuram, Ramanathapuram, Sivaganga and Virudhunagar Districts)  
43 Attur Melnad Koravars (Salem and Namakkal District)  
44 Appanad Kondayam Kottai Maravar (Sivaganga, Virudhunagar, Ramanathapuram, Madurai, Theni and Dindigul Districts)  
45 Ambalakarar (Thanjavur, Nagapattinam, Tiruvarur, Tiruchirappalli, Karur, Perambalur and Pudukkottai Districts)  
46 Ambalakkarar (Suriyanur, Tiruchirapalli District)  
47 Boyas (Tiruchirapalli, Karur, Perambalur, Pudukkottai, The Nilgiris, Salem, Namakkal, Dharmapuri and Krishnagiri Districts)

**Code No. (DC)**

- 48 Battu Turkas  
49 C.K. Koravars (Cuddalore and Villupuram Districts)  
50 Chakkala (Sivaganga, Virudhunagar, Ramanathapuram, Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Tiruchirapalli, Karur, Perambalur, Madurai, Theni, Dindigul and the Nilgiris Districts)  
51 Changyampudi Koravars (Vellore and Thiruvannamalai Districts)  
52 Chettinad Valayars (Sivaganga, Virudhunagar and Ramanathapuram Districts)  
53 Dombs (Pudukkottai, Tiruchirapalli, Karur and Perambalur Districts)  
54 Dobba Koravars (Salem and Namakkal Districts)  
55 Dommars (Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Vellore and Thiruvannamalai Districts)  
56 Donga Boya  
57 Donga Ur. Korachas  
58 Devagudi Talayaris  
59 Dobbai Korachas (Tiruchirapalli, Karur Perambalur and Pudukkottai Districts)  
60 Dabi Koravars (Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Vellore and Thiruvannamalai Districts)  
61 Donga Dasaris (Kancheepuram, Tiruvallur, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Chennai, Salem and Namakkal Districts)  
62 Gorrela Dodda Boya  
63 Gudu Dasaris

**Code No. (DC)**

- 64 Gandarvakottai Koravars (Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Cuddalore and Villupuram Districts)
- 65 Gandarvakottai Kallars (Thanjavur, Nagapattinam, Thiruvarur and Pudukkottai Districts)
- 66 Inji Koravars (Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 67 Jogis (Kancheepuram, Tiruvallur, Chennai, Cuddalore, Villupuram, Vellore and Thiruvannamalai Districts)
- 68 Jambavanodai
- 69 Kaladis (Sivaganga, Virudhunagar, Ramanathapuram, Madurai, Theni, Dindigul, Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Tiruchirapalli, Karur and Perambalur Districts)
- 70 Kal Oddars (Kancheepuram, Tiruvallur, Ramanathapuram, Sivaganga, Virudhunagar, Madurai, Theni, Dindigul, Pudukkottai, Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Tirunelveli, Thoothukudi, Salem and Namakkal Districts)
- 71 Koravars (Kancheepuram, Tiruvallur, Ramanathapuram, Sivaganga, Virudhunagar, Pudukkottai, Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Tirunelveli, Thoothukudi, Chennai, Madurai, Theni, Dindigul and The Nilgiris Districts)
- 72 Kalinji Dabikoravars (Thanjavur, Nagapattinam, Thiruvarur and Pudukkottai Districts)

**Code No. (DC)**

- 73 Kootappal Kallars (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 74 Kala Koravars (Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 75 Kalavathila Boyas
- 76 Kepmaris (Kancheepuram, Tiruvallur, Pudukkottai, Tiruchirapalli, Karur and Perambalur Districts)
- 77 Maravars (Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Ramanathapuram, Sivaganga, Virudhunagar, Tirunelveli and Thoothukudi Districts)
- 78 Monda Koravars
- 79 Monda Golla (Salem and Namakkal Districts)
- 80 Mutlakampatti (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 81 Nokkars (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 82 Nellorepet Oddars (Vellore and Thiruvannamalai Districts)
- 83 Oddars (Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Madurai, Theni and Dindigul Districts)
- 84 Pedda Boyas (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 85 Ponnai Koravars (Vellore and Thiruvannamalai Districts)
- 86 Piramalai Kallars (Sivagangai, Virudhunagar, Ramanathapuram, Madurai, Theni, Dindigul, Pudukkottai, Thanjavur, Nagapattinam and Thiruvarur Districts)

**Code No. (DC)**

- 87 Periya Suriyur Kallars  
(Tiruchirapalli, Karur, Perambalur, and Pudukkottai Districts)
- 88 Padayachi (Vellayan Kuppam in Cuddalore District and Tennore in Tiruchirapalli District)
- 89 Punnan Vettuva Gounder  
(Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 90 Servai (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 91 Salem Melnad Koravars (Madurai, Theni, Dindigul, Coimbatore, Erode, Pudukkottai, Tiruchirapalli, Karur, Perambalur, Salem, Namakkal, Vellore and Thiruvannamalai Districts)
- 92 Salem Uppu Koravars (Salem and Namakkal Districts)
- 93 Sakkaraitthamada Koravars (Vellore and Thiruvannamalai districts)
- 94 Saranga Palli Koravars
- 95 Sooramari Oddars (Salem and Namakkal Districts)
- 96 Sembanad Maravars (Sivaganga, Virudhunagar and Ramanathapuram Districts)
- 97 Thalli Koravars (Salem and Namakkal Districts)
- 98 Telungapatti Chettis (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)

**Code No. (DC)**

- 99 Thottia Naickers (Sivaganga, Virudhunagar, Ramanathapuram, Kancheepuram, Tiruvallur, Thanjavur, Nagapattinam, Thiruvarur, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Tirunelveli, Thoothukudi, Salem, Namakkal, Vellore, Thiruvannamalai, Coimbatore & Erode Districts)
- 100 Thogamalai Koravars or Kepmaris  
(Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)

**Code No. (DC)**

- 101 Uppukoravars or Settippalli Koravars  
(Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Madurai, Theni, Dindigul, Vellore and Thiruvannamalai Districts)
- 102 Urali Gounders (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 103 Wayalpad or Nawalpetta Korachas
- 104 Vaduvarpatti Koravars (Madurai, Theni, Dindigul, Ramanathapuram, Sivaganga, Virudhunagar, Tirunelveli, Thoothukudi, Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 105 Valayars (Madurai, Theni, Dindigul, Tiruchirapalli, Karur, Perambalur, Pudukkottai, Erode and Coimbatore Districts)
- 106 Vettaikarar (Thanjavur, Nagapattinam, Thiruvarur and Pudukkottai Districts)
- 107 Vetta koravars (Salem and Namakkal District)
- 108 Varaganeri Koravars (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)
- 109 Vettuva Gounder (Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)

**IV. LIST OF BACKWARD CLASSES****Code No.**

- 1 Agamudayar including Thozhu or Thuluva Vellala
- 2 Agaram Vellan Chettiar
- 3 Alwar, Azhavar and Alavar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 4 Servai (except Tiruchirappalli, Karur, Perambalur and Pudukkottai Districts)
- 5 Nulayar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)
- 6 Archakarai Vellala
- 7 Aryavathi (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

**Code No. ( BC)**

- 8 Ayira Vaisyar  
9 Badagar  
10 Billava  
11 Bondil  
12 Boyas (except Tiruchirappalli, Karur, Perambalur, Pudukkottai, The Nilgiris, Salem, Namakkal and Dharmapuri and Krishnagiri Districts) Pedda Boyar (except Tiruchirappalli, Karur, Perambalur and Pudukkottai Districts) Oddars (except Thanjavur, Nagapattinam, Thiruvarur, Tiruchirappalli, Karur, Perambalur, Pudukkottai, Madurai, Theni and Dindigul Districts) Kaloddars (except Kancheepuram, Tiruvallur, Ramanathapuram, Sivaganga, Virudhunagar, Madurai, Theni, Dindigul, Pudukkottai, Tiruchirappalli, Karur, Perambalur, Tirunelveli, Thoothukudi, Salem & Namakkal Districts) Nellorepet Oddars (except Vellore and Thiruvannamalai Districts) Sooramari Oddars (except Salem and Namakkal Districts)  
13 Chakkala (except Sivaganga, Virudhunagar, Ramanathapuram, Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Tiruchirappalli, Karur, Perambalur, Madurai, Theni, Dindigul and The Nilgiris Districts)  
14 Chavalakarar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)  
15 Chettu or Chetty (including Kottar Chetty, Elur Chetty, Pathira Chetty, Valayal Chetty, Pudukadai Chetty) (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)  
16 Chowdry 16A Converts to Christianity from Scheduled Castes irrespective of the generation of conversion (except the Paravar converts to Christianity of Kanyakumari District and Shenkottah Taluk of Tirunelveli

District)

- 16 B C.S.I. formerly S.I.U.C. (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

**Code No. ( BC)**

- 17 Donga Dasaris (except Kancheepuram Tiruvallur, Tiruchirappalli, Karur, Perambalur, Pudukkottai, Chennai, Salem and Namakkal Districts)  
18 Devangar, Sedar 19 Dombs (except Pudukkottai, Tiruchirappalli, Karur and Perambalur Districts) Dommars (except Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Vellore and Thiruvannamalai Districts)  
18 Devangar, Sedar  
19 Dombs (except Pudukkottai, Tiruchirappalli, Karur and Perambalur Districts) Dommars (except Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Vellore and Thiruvannamalai Districts)  
20 Enadi  
21 Ezhavathy (in Kanyakumari Districts and Shenkottah Taluk of Tirunelveli District)  
22 Ezhuthachar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)  
23 Ezhuva (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)  
24 Gangavar  
25 Gavara, Gavarai & Vadugar (Vadugar) (other than Kamma, Kapu, Balija & Reddi)  
26 Gounder  
27 Gowda (including Gammala, Kalali and Anuppa Gounder)  
28 Hegde  
29 Idiga  
30 Illathu Pillaimar, Illuvar, Ezhuvar & Illathar  
31 Jhetty

32 Jogis (except Kancheepuram, Tiruvallur, Madurai, Theni, Dindigul, Cuddalore, Villupuram, Vellore and Thiruvannamalai Districts)

**Code No. (BC)**

33 Kabbera

34 Kaikolar, Sengunthar

35 Kaladi (except Sivaganga, Virudhunagar, Ramanathapuram, Madurai, Theni, Dindigul, Thanjavur, Nagapattinam, Thiruvarur, Pudukkottai, Tiruchirapalli, Karur and Perambalur Districts)

36 Kalari Kurup including Kalari Panicker (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

37 Kalingi

38 Kallar Easanattu Kallar Gandharvakottai Kallars (except Thanjavur, Nagapattinam, Thiruvarur and Pudukkottai Districts) Kottappal Kallars (except Pudukkottai, Tiruchirapalli, Karur and Perambalur Districts) Piramalai Kallars (except Sivaganga, Virudhunagar, Ramanathapuram, Madurai, Theni, Dindigul, Pudukkottai, Thanjavur, Nagapattinam and Thiruvarur Districts) Periyasooriyur Kallars (except Tiruchirapalli, Karur, Perambalur and Pudukkottai Districts)

39 Kallar Kula Thondaman

40 Kalveli Gounder

41 Kambar

42 Kammalar or Viswakarma, Viswakarmala (including Thattar, Porkollar, Kannar, Karumar, Kollar, Thacher, Kal Thacher, Kamsala and Viswabrahmin)

43 Kani, Kanisu, Kaniyar Panikkar

44 Kaniyala Vellalar

45 Kannada Saineegar, Kannadiyar (Through out the State) and

Dasapalanjika (Coimbatore, Erode and the Nilgiris Districts)

46 Kannadiya Naidu

**Code No. (BC)**

47 Karpooora Chettiar

48 Karuneeagar (Seer Karuneeagar, Sri Karuneeagar, Sarattu Karuneeagar, Kaikatti Karuneeagar, Mathuvazhi Kanakkar, Sozhi Kanakkar & Sunnambu Karuneeagar)

49 Kasukkara Chettiar

50 Katesar Pattamkatti

51 Kavuthiyar

52 Kerala Mudali

53 Kharvi

54 Khatri

55 Kongu Vaishnava

56 Kongu Vellalars (including Vellala Gounder, NattuGounder, Narambukatti Gounder, Tirumudi Vellalar, Thondu Vellalar, Pala Gounder, Poosari Gounder, Anuppa Vellala Gounder, Padaithalai, Gounder, Chendalai Gounder, Pavalankatti Vellala Gounder, Palla Vellala Gounder, Sanku Vellala Gounder, & Rathinagiri Gounder)

57 Koppala Velama

58 Koteyar

59 Krishnanvaka (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

60 Kudikara Vellalar

61 Kudumbi (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

62 Kuga Vellalar

63 Kunchidigar

63 A Latin Catholics except Latin Catholic Vannar in Kanyakumari District

63 B Latin Catholics in Shenkottah Taluk of Tirunelveli District

64 Lambadi

**Code No. (BC)**

65 Lingayat (Jangama)

66 Mahratta (NonBrahmin) (including Namadev Mahratta)

67 Malayar

68 Male

69 Maniagar

70 Maravars (except Thanjavur, Nagapattinam, Tiruvarur, Pudukkottai, Ramanathapuram, Sivaganga, Virudhunagar, Tirunelveli and Thoothukudi Districts) (including Karumaravars. Appanad Kondayamkottai Maravar (except Sivaganga, Virudhunagar, Ramanathapuram, Madurai, Theni and Dindigul Districts) and Sambanad Maravars (except Sivaganga, Virudhunagar and Ramanathapuram Districts)

71 Moondrumandai Enbathunalu (84) Ur. Sozhia Vellalar

72 Mooppan

73 Muthuraja, Muthuracha, Muttiriyar, Mutharaiyar

74 Nadar, Shanar & Gramani including Christian Nadar, Christian Shanar and Christian Gramani

75 Nagaram

76 Naikkar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

77 Nangudi Vellalar

78 Nanjil Mudali (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

**Code No. (BC)**

79 Odar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

80 Odiya

81 Oottruvalanattu Vellalar

82 O.P.S. Vellalar

83 Ovachar

84 Paiyur Kotta Vellalar

85 Pamulu

86 Panar (except in Kanyakumari District and Shenkottah Taluk of Tirunelveli District where the Community is a Scheduled Caste)

86A Pandiya Vellalar

87 Omitted

88 Kathikarar in Kanyakumari District 89 Pannirandam Chettiar or Uthama Chettiar

90 Parkavakulam (including Surithimar Nathamar, Malayamar, Mooppanar & Nainar)

91 Perike (including Perike Baliya)

92 Perumkollar (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

93 Podikara Vellalar

94 Pooluva Gounder

95 Poraya

96 Pulavar (in Coimbatore and Erode Districts)

97 Pulluvar or Pooluvar

98 Pusala

99 Reddy (Ganjam)

100 Sadhu Chetty (including Telugu Chetty Twenty four manai Telugu Chetty)

101 Sakkaravar or Kavathi (in Kanyakumari District and Shenkottah Taluk of Tirunelveli District)

102 Salivagana

103 Saliyar, Padmasaliyar, Pattusaliyar, Pattariyar and Adhaviyar

- 104 Savalakkarakar
- 105 Senaithalaivar, Senaikudiyar and  
Ilaivaniar
- 105A Serakula Vellalar
- 106 Sourashtra (Patnulkarakar)
- Code No. (BC)**
- 107 Sozhia Vellalar (including Sozha  
Vellalar. Vetrilaikarakar, Kodikalkarakar  
and Keeraikarakar)
- 108 Srisayar
- 109 Sundaram Chetty
- 110 Thogatta Veerakshatriya
- 111 Tholkollar (in Kanyakumari District  
and Shenkottah Taluk of Tirunelveli  
District)
- 112 Tholuva Naicker and Vetalakara  
Naicker
- 113 Omitted
- 114 Thoriyar
- 115 Ukkirakula Kshatriya Naicker
- 116 Uppara, Uppillia and Sagara
- 117 Urali Gounder (except Tiruchirapalli  
Karur, Perambalur and Pudukkottai  
Districts) and Orudaya Gounder or  
Oorudaya Gounder (in Madurai and  
Theni, Dindigul, Coimbatore, Erode,  
Tiruchirapalli, Karur, Perambalur,  
Pudukkottai, Salem and Namakkal  
Districts)
- 118 Urikkara Nayakkarakar
- 118A Virakodi Vellalar
- 119 Vallambar
- Code No. (BC)**
- 119A Vallanattu Chettiar
- 120 Valmiki
- 121 Vaniyar, Vania Chettiar (including  
Gandla, Ganika, Telikula and  
Chekkalar)
- 122 Veduvar and Vedar (except in  
Kanyakumari District and  
Shenkottah Taluk of Tirunelveli

- District Where the Community is a  
Scheduled Castes)
- 123 Veerasaiva (in Kanyakumari District  
and Shenkottah Taluk of Tirunelveli  
District)
- 124 Velar
- 125 Vellan Chettiar
- Code No. (BC)**
- 126 Veluthodathu Nair (in Kanyakumari  
District and Shenkottah Taluk of  
Tirunelveli District)
- 127 Vokkaligar (including Vakkaligar,  
Okkaligar, Kappaliyar, Kappiliya,  
Okkaliga Gowda, Okkaliya- Gowder,  
Okkaliya-Gowda, Okkaliya Gowda)
- 128 Wynad Chetty (The Nilgiris District)
- 129 Yadhava (including Idaiyar, Telugu  
Speaking Idaiyar known as Vaduga  
Ayar or Vaduga Idaiyar or Golla and  
Asthanthra Golla)
- 130 Yavana
- 131 Yerukula
- 131 A Converts to Christianity from any  
Hindu Backward Classes Community  
or Most Backward Classes  
Community (except the Converts to  
Christianity from Meenavar,  
Parvatharajakulam, Pattanavar,  
Sembadavar, Mukkuvar or Mukayar  
and Paravar) or Denotified  
Communities
- Code No. (BC)**
- 132 Orphans and destitutes children who  
have lost their Parents before  
reaching the age of ten and are  
destitutes; and who have nobody  
else to take care of them either by  
law or custom; and also who are  
admitted into any of the Schools or  
orphanages run by the Government or  
recognised by the Government.

**V. LIST OF BACKWARD CLASSES**

**MUSLIMS**

**Code No.**

1 Ansar

2 Dekkani Muslims

3 Dudekula

4 Labbais including Rowthar and Marakayar (whether their spoken language is Tamil or Urdu)

5 Mapilla

6 Sheik

7 Syed

**ANNEXURE – IV**

Dependent of Ex-serviceman (Model Certificate)

PRIORITY CERTIFICATE

DEPARTMENT OF EX-SERVICEMEN'S WELFARE, SALEM 636 001.

S. No . SLM 03 / 2015/ A2

File No : 7734 / 2015/ A2

Date : 07 .01 .2015

CERTIFICATE OF DEPENDENCY OF EX-SERVICEMEN

This is to certify that [redacted] is the son of the under mentioned ex-servicemen who is solely dependent on the ex-servicemen whose particulars are furnished below. He is eligible for priority under group II(i) for Employment through the Employment exchange in according with G.O. Ms.No.1161 Personnel and Administrative Reforms (Personnel) Department dated 22-11-1984. Certified that the Ex-servicemen concerned has not availed the priority concession before. Certified also that the particulars of this certificate are entered in the Discharge Certificate of the Ex-servicemen. Certified also that no eligibility certificate has been issued previously to any of the dependent of the Ex-servicemen.

*M. Varaha Sha*  
SIGNATURE OF THE CANDIDATE

*07/01/2015*  
(Ex-Lt.Cdr. (Tmt) T. Sangeetha)  
Assistant Director  
Ex-servicemen's Welfare,  
Salem-636 001.

INDIAN ARMY/ A.F/ NAVY SERVICE PARTICULARS OF EX-SERVICEMEN

Regimental No : [redacted]  
Rank : Naik  
Name : [redacted]  
Name of the Unit in which last served : SIGNALS  
Date of Enrolment : 11.11.1979  
Date of Discharge : 30.11.1996  
Cause of Discharge : AR 13(3) Item III (i)  
Total Service : YEARS MONTHS DAYS  
17 0 21  
Character assessed at the time of discharge : Exemplary



*07/01/2015*  
(Ex-Lt.Cdr. (Tmt) T. Sangeetha)  
Assistant Director  
Ex-servicemen's Welfare,  
Salem-636 001.

*M. Varaha Sha*

**ANNEXURE – V**  
**Destitow Widow (Model Certificate)**

PASSPORT SIZE  
PHOTO

FORM FOR ISSUE THE CERTIFICATE TO CANDIDATES  
CLAIMING TO BE “DESTITUTE WIDOWS”

(Vide Paragraph 2 of G.O. Ms. No.395 Personnel and Administrative Reforms

[per 5 Department, Dated 04.11.93]

\* \* \* \* \*

1. Name of the Individual : \_\_\_\_\_
2. Full Postal Address : \_\_\_\_\_
  
3. Details of job held, if any : COOLI
4. Particulars of her Children if any : ONE (1 MALE)
5. Name and last occupation of her husband : S.MUTHU (LATE)
6. Date of demise of her husband : 02.12.2011
7. Monetary benefits received after her husband's death by way of family pension, insurance, etc., if any : NIL
8. Details of properties if any immovable and movable left behind by him : NIL
9. **Present Monthly income**
  - a) From Private Properties : NIL
  - b) Rent Received : NIL
  - c) From Private Practice : Rs. 24,000/- PER YEAR  
(Rupees Twenty Four Thousand only )
  - d) Other Sources, if any : NIL

- e) Total : RS. 24,000/- PER YEAR
- 10 Whether living alone or living with her husband's parents/in laws/parents/brother(s) : ~~No~~ *Living alone*
11. Whether she satisfied the definition of the term "Destitute Widow" as defined in G.O. Ms.No.395 Personal and administrative Reforms (per.5) Department dated 4.11.93. : Yes

**SUB COLLECTOR  
NAGERCOIL**

Certified that I have verified the particulars furnished by the individual and satisfied myself of her claim with reference to the definition of the term

"Destitute Widow"

Certificate: 23/2013

Reference No: B1 - 644/2013

*B1 Daw 5-2-2013*  
**Tahsildar,  
Agasteeswaram**


*29/4/13*  
**Revenue Divisional Officer/  
Assistant Collector/  
Sub Collector.**

Place: **NAGERCOIL**

*29.4.2013*  
**Note:** Attestation should be done personally by the Revenue Divisional Officer/Assistant Collector/Sub Collector himself

**ANNEXURE – VI**  
Ex-Serviceman (Model Certificate)

	<p>पूर्व सेनिकों का पहचान पत्र EX-SERVICEMEN IDENTITY CARD प. पत्र सं. / I. Card No. <b>TN/18/16148</b></p>	<p>PASSPORT SIZE PHOTO</p>
सं./No.	_____	
रैंक/Rank	<b>NALK</b>	
नाम / Name	_____	
रेजीमेंट/कोर Regiment / Corps	<b>EM4E (Aviation)</b>	तारीख/दिनांक Date of birth <b>24.6.1955</b>
पिता का नाम Father's Name	<b>A. MARUDHAPPA PANDIAN</b>	
पता/Address	<b>1314, 16th East Cross St.</b>	
<b>Chennai - 39</b>	तहसील/ज़िला/मंडल Tehsil/District/Division	<b>PP</b>
विमुक्ति की तारीख Date of discharge	<b>30.6.08</b>	पेंशन रु. Pension Rs. <b>3262/-</b>

पहचान चिह्न Identification Mark	<b>A Small Mole Beside Rt</b>
बाएँ अंगूठे का निशान Left Thumb Impression	<b>Nostril</b>
धारक के हस्ताक्षर Signature of Holder	<i>[Signature]</i>
	<p>(जारी करने वाले अधिकारी के हस्ताक्षर के साथ) Signature of Issuing Officer <b>CHENNAI-600 015</b></p>
<p>NOTE</p> <p>1. इस पहचान पत्र को खो जाने पर अपने जिला सैनिक बोर्ड को तुरंत सूचित करें। Report loss to your Zilla Sainik Board Immediately.</p> <p>2. इस पहचान पत्र को प्राप्त जिला कार्यालय इसे पुनर्वास महानिदेशालय, पश्चिमी खण्ड-1, West Block IV, P. K. Puram, New Delhi - 110066 को वापस कर दें। Finder to return this card to Directorate General Resettlement, West Block IV, P. K. Puram, New Delhi - 110066</p>	
<p><b>PP</b> TR No. <b>3145/08</b> <b>D. O. I - 21.7.08</b></p>	

TN. 18: 16148.

Taluk	PP
NR No.	3145/08.

*K. Ullas*  
 ASSISTANT DIRECTOR  
 EX-SERVICEMEN'S WELFARE  
 CHENNAI-600 015.

PASSPORT SIZE  
 PHOTO



(i)

भाग - 3  
 Part - III

**CORPS OF EME**  
**वैयक्तिक विवरण**  
**PERSONAL PARTICULARS**

- 3 (क) पूरा नाम (साफ अक्षरों में)  
 (a) Name in Full (Block Capitals)
- (ख) पिता का पूरा नाम  
 (b) Father's Name in full
- (ग) धर्म  
 (c) Religion  
**HINDU**
- (घ) क्या अनुसूचित जाति / अनुसूचित जनजाति के हैं।  
 (d) Whether Scheduled Caste / Scheduled Tribe.
- (च) जाति (कोई हो तो)  
 (e) Caste (if any)  
**MARAVAR**
- (छ) जन्म की तारीख  
 (f) Date of Birth  
**24-06-1970 (TWENTY FOUR JUN  
 NINETEEN SEVENTY)**
- (ज) आंखों का रंग  
 (g) Colour of Eyes  
**BLACK**

4

- (झ) ऊँचाई  
 (h) Height  
**162 CM**
- (ट) पहचान चिह्न  
 (i) Identification Marks  
**<A> A SMALL MOLE 2 O'CLOCK 12CM NAVAL  
 <B> A SMALL MOLE BESIDE RT NOSTRIL**
- (ठ) विवाहित/अविवाहित  Married / Unmarried  
 (j) Marital Status
- (ड) पत्नी अथवा निकटतम संबंधी का पूरा नाम  
 (k) Full name of wife or next of Kin.
- (ढ) स्थायी घर का पता  
 (l) Permanent Home Address :
- (i) मकान नं०, गली/सड़क/मोहल्ला  
 (i) House No., Name of Street / Road / Mohalla  
**DOOR NO 1314, 16 TH ER EAST**
- (ii) गाँव / कस्बा **CROSS STREET**
- (ii) Village / Town
- (iii) डाकघर  
 (iii) Post Office

5

- (iv) तारख  
(iv) Telegraph Office
- (v) तहसील  
(v) Tehsil  
PERAMBUR
- (vi) निकटतम रेलवे स्टेशन  
(vi) Nearest Railway Station  
CHENNAI CENTRAL
- (vii) जिला  
(vii) District  
CHENNAI
- (viii) राज्य  
(viii) State  
TAMIL NADU
- (ix) इलाके के राज्य सैनिक बोर्ड और जिला सैनिक बोर्ड  
(ix) RSB and ZSB serving the area  
SAIDAPET, CHENNAI-15,
- (x) पिन कोड  
(x) Pin code  
600039

6

भाग - 4  
Part - IV

**सेवा विवरण**  
**SERVICE PARTICULARS**

4. भारतीय सेना/नौ सेना/वायु सेना में.....को.....के रूप में भर्ती।  
Enrolled in Indian Army / Navy / Airforce as.....**RECT**  
on **19-12-1987**.....
5. शपथ ग्रहण की तारीख (ली गई निहा शपथ की तारीख)  
Date of Attestation **28-04-1989**  
(Date of oath of Allegiance taken)
6. कुल सेवा.....वर्ष.....माह.....दिन।  
Total Service **20** Years **06** Months **13** days.
7. ....के आदेश से (तारीख.....को सेवा से रिलीज / सेवा निवृत्ति/  
सेवा मुक्त/सेवा से बर्खास्त)  
Release / Retired / Discharged / Dismissed from Services  
on **30 JUNE 2008**.....by the order of  
L. No. **152911-almgt.lmc/156/CA-2(MP)**  
**DATE-06-12-2007**

7

8. वर्तमान परिभाषा के अनुसार, भूतपूर्व सैनिक के रूप में भारतीय सैनिक की स्थिति।

Status of the Individual as 'Ex-Servicemen' as per current definition **EX-SERVICEMEN**

9. रिलीज / सेवा मुक्ति / बर्खास्तगी का कारण।

Reasons for Release / Discharge / Dismissal. **III (V) 2(a)**  
Discharged / transferred to pension

10. नियुक्ति की शर्तें  
Terms of engagement under item (14) / (v) under clause 2 (A) rule 13 (3)

11. किस श्रेणी में भर्ती किया गया  
Trade in which served.

**AVF (ELE) CLASS - I (ONE)**

12. समुद्री/वायु सेना का विवरण.....वर्ष.....

मोह.....दिन।  
Details of Sea / Air Service.....Years.....  
Months.....Days.

13. युद्ध सेवा तथा सक्रिय क्षेत्र

War Service showing Theatre of Operation.

8

14. विदेश में सेवा :-  
Service Abroad :-

- (क) देश  
(a) Country
- (ख) नियुक्ति  
(b) Appointment
- (ग) .....से.....तक  
(g) From.....To.....
- (घ) From.....To.....

15. मासिक वेतन तथा भत्ते  
Monthly rate of pay and allowances.

16. मंडल / अलंकरण / प्रशस्ति पत्र  
Medal / Decorations / Commendations / Mention-in-Despatches.

**(A) 9 YRS, 20 YRS LSM**  
**(B) 50TH ANNIVERSARY**  
**(C) SSM WIL OP RHINO 40P PARAKRAT**

17. सेवा निवृत्ति के समय चरित्र  
Character assessed at the time of retirement.

**EXEMPLARY** 9

**Major/Capt**  
**OC Ret & Hqs**  
**EME Depo**

ANNEXURE - VII

Inter Caste Marriage (Model Certificate)

எண் :

நாள் :

கலப்பு திருமண சான்று

மதுரை மாவட்டம் வடகீழ் வட்டம்

கலப்பு திருமணம்

மதுரை- 625017 என்ற

முகவரியில் வசித்து வரும் கீழ்க்கண்ட

அருந்தியன் வகுப்பை சார்ந்த

திரு / திருமதி

என்பவரின் மகன் / மகள்

என்பவரை மதுரை மாவட்டம் வடகீழ் வட்டம்

என்ற

முகவரியில் வசித்து வரும் கீழ்க்கண்ட

அருந்தியன் வகுப்பை சார்ந்த

திரு / திருமதி

என்பவரின் மகன் / மகள்

என்பவர் 24/08/2022 ம் நாளில் கீழ்க்கண்ட முயல்

மீனாட்சியன்முடி, மதுரை என்ற

இடத்தில் திருமணம் செய்து

கீழ்க்கண்ட அருந்தியன்

முகவரியில் உள்ள பத்திரப்பதிவு அலுவலகத்தில்

பதிவு எண் 175/2022 பதிவு நாள் 31/08/2022 ன்படி பதிவு

செய்து உள்ளனர். இவர்கள் தலைப்புகளில் பதிவு செய்து உள்ளனர் என்பதற்கான சான்று.



வி. சிவசுந்தரன்  
விவரம் பிரிவு அலுவலர்  
50, தலைவாசல்  
மதுரை வட்டம்.

TAHSILDAR  
TAHSILDAR  
Madurai North Taluk

**ANNEXURE – VIII**  
Land Acquisition (Model Certificate)

ந.க.அ/

நாள்:

தனிவட்டாட்சியர் அலுவலகம். (நி.எ) எண்: 2,

முன்னுரிமை சான்று எண்:

நாள்:

நில ஆர்ஜிதத்தினால் பாதிக்கப்பட்டவர்களின் வாரிசுகள், அரசாணை எண்.188  
(பணியாளர் மற்றும் நிர்வாக சீர்திருத்த துறை) நாள்: 28.12.76-ன்படி வேலைவாய்ப்பில்  
முன்னுரிமை பெறப்பட சான்று

1.	நிலச்சொந்தகாரரின் பெயர்:	திரு. த-பெ					
2.	நில ஆர்ஜித அலுவலர் எண் மற்றும் நிலத்தின் விஸ்தீரணம், சர்வே எண்.	வ. எண்	கிராமத்தின் பெயர்	தீர்ப்பு எண்	புல எண்	பரப்பு	அலுவலகம்
		1.		04/93 19.05.93	60/2A	0.17.0 ஹெக்ட.	தனி வட்டாட்சியர் அலுவலகம், (நி.எ)எண்-2
3.	நில ஆர்ஜிதம் செய்யப்பட்ட கிராமத்தின் பெயர் மற்றும் நிலத்தின் விஸ்தீரணம், சர்வே எண்	60/2A, 0.17.0 ஹெக்ட.					
4.	நில ஆர்ஜிதம் செய்யப்பட்ட நிலத்திலிருந்து கிடைத்த மொத்த ஆண்டு வருமானம்	ரூ.42,000/- (ரூபாய் நாற்பத்திரெண்டாயிரம் மட்டும்)					
5.	அ) நிலம் அரசு / அரசு சார்ந்த காரணத்திற்கு ஆர்ஜிதம் செய்யப்பட்டதா/ ஆ) ஆர்ஜிதம் செய்யப்பட்ட நிலம்/ மனை எந்த காரணங்களுக்காக எவ்வாறு பயன்படுத்தப்பட்டுள்ளது	-ஆம்-  என்.எல்.சி இந்தியா லிமிடெட், இரண்டாம் சுரங்க விரிவாக்கப் பணிக்காக.					
6.	நிலச் சொந்தக்காரரின் வாரிசு பட்டியல்	வாரிசுதாரர்கள்		உறவு	வயது		
		1.		தலைவர்	53		
		2.		மனைவி	49		
		3.		மகன்	29		
		4.		மகள்	23		
		5.		நாயார்	78		
7.	நிலச்சொந்தகாரருக்கு இழப்பீட்டுத்தொகையுடன் அபிவருத்தி செய்யப்பட்ட மனைகள் வழங்கப்பட்டதா	:	-இல்லை-				
8.	இந்த சான்று பெறுபவர் நிலச்சொந்தகாரரா?	:	ஆம் - நில உரிமையாளரின் மகன் த/பெ என்பவருக்கு மட்டும் வழங்கப்படுகிறது.				

9.	நிலம் ஆர்ஜிதம் செய்யப்பட்ட நிலச்சொந்தகாரருக்கு தற்போது சொந்தமாக உள்ள நிலங்கள் (நிலத்தின் விஸ்தீரணம் சர்வே எண் விவரங்களுடன்)	:	-இல்லை-
10.	ஆர்ஜிதம் செய்யப்பட்ட நிலத்தை தவிர நிலச்சொந்தகாரருக்கு தற்போது சொந்தமாக உள்ள நிலத்தின் மூலம் மற்றும் இதர வகையில் மொத்த ஆண்டு வருமானம்	:	விவசாய கூலி வேலை மூலம் ரூ.72000/-
11.	அ. நிலச்சொந்தகாரர் மற்றும் அவரது வாரிசுதாரர்கள் ஆர்ஜிதம் செய்யப்பட்ட நிலத்தை வருமானத்தை மட்டுமே வாழ்க்கையை நம்பி இருந்தனரா?	:	-ஆம்-
	ஆ. அரசாணை எண்.188 (பணியாளர் மற்றும் நிர்வாக சீர்திருத்த துறை) நாள்:28.12.76-ன்படி சான்று பெறுபவர் வேலைவாய்ப்புக்கான கல்வி தகுதி உள்ளவரா?	:	ஆம் - +2 முடித்துள்ளார்.
	இ. இந்த நிலம் ஆர்ஜிதம் செய்யப்பட்டதால் இவர்களது அன்றாட வாழ்க்கை பிழைப்புநெறி பாதிக்கப்பட்டதா ?	:	-ஆம்-
12.	இந்த சான்று பெறுபவர் மணமானவரா?	:	-இல்லை-
13.	இந்த சான்றிதழ் இவரது குடும்பத்தில் வேறு யாருக்காவது வழங்கப்பட்டுள்ளதா?	:	-இல்லை-

அலுவலக முத்திரை



தனிப்பட்ட சீர்திருத்த (நி.எ) எண்: 2

**ANNEXURE – IX**

**NO OBJECTION CERTIFICATE BY THE HEAD OF DEPARTMENT  
OR OFFICE OR EMPLOYER**

1. Name of the Candidate :
2. Name of the Post held :
3. Whether the Candidate is :  
employed temporarily under  
the emergency provisions or  
whether the candidate is a  
probationer or an approved  
probationer or a full member  
of any of the sub-ordi  
nate/State Services
4. Period of Employment : From (Date) To (Date)  
  
: Endorsement No.

Dated :

- a) I have no objection to the candidate's application being considered for the Post of
- b) Certified that Thiru/Tmt/Selvi ..... has the following punishment / has no punishment to his/her credit.

Place

Office Seal & Date

Signature  
Designation

**Note** : (i) Persons who get employment after the submission of their applications and before the receipt of intimation admitting them to the Oral Test / requiring to produce original documents for verification should also produce the "No objection Certificate". (ii) In case any Criminal / Disciplinary action is taken against or if any punishment is imposed against such persons after the production of "No objection Certificate" and before the actual appointment, such candidates should report this fact forthwith to the TANGEDCO indicating their Register Number. Any violation or failure to comply with these instructions will end in rejection of candidature.