



## TAMIL NADU PUBLIC SERVICE COMMISSION

NOTIFICATION NO: 3/ 2016  
ADVERTISEMENT NO:430

DATED: 19.02.2016

Applications are invited only through online mode upto 18.03.2016 for Direct Recruitment to the vacancies for the following posts:-

Candidates have to Register their basic particulars through One - Time Registration which is mandatory on payment of Rs.50/- towards registration fee.

Candidates should upload the prescribed educational qualification and experience certificates.

Name of the Post and Post Code	Name of the Service and Code No.	Number of vacancies	Scale of pay
<b>TESTER</b> (2014 - 2016) (Post Code. 1905)	Tamil Nadu Industries Subordinate Service (Code No. 044)	<b>4</b> <b>BC-1</b> <b>GT (W)-1</b> <b>SC-I</b> <b>MBC/DC (W)-1</b>	Rs.9,300-34,800/- (PB2) + 5,100/- Grade Pay
<b>ASSISTANT TESTER.</b> (2013 - 2014) (Post Code. 1908)		<b>2</b> <b>MBC/DC-1</b> <b>BC-1</b>	Rs.9,300-34,800/- (PB2) + 4,400/- Grade Pay

Abbreviation:- BC-Backward Class, GT (W) General Turn -(Woman), MBC/DC- Most Backward Class/Denotified Community, SC - Scheduled Caste, MBC/DC(W)- Most Backward Class/Denotified Community(Woman),

### 2. FEES:-

One - Time Registration fee	Examination fee
Rs.50/-	Rs.100/-

Candidates who have already registered in one time Registration System it is enough to pay the Examination Fee.

### EXAMINATION FEE CONCESSION:-

Category	Concession	Condition
Scheduled castes / Scheduled Caste (Arunthathiyars)	Full Exemption	--
Scheduled Tribes	Full Exemption	--
Most Backward Class / Denotified Communities	Three free Chances	For Degree Holders
Backward Classes(Other than Muslim) / Backward Classes (Muslim)	Three free Chances	For Degree Holders
Ex-Servicemen	Two free Chances	Minimum General Educational Qualification
Differently Abled Persons	Full Exemption	--
Destitute Widow	Full Exemption	--

**Note**

The three / two free chances allowed are not for **EACH POST** but for **ANY THREE /TWO APPLICATIONS ONLY**. The claim for exemption from payment of fee made in any application which is rejected / admitted or withdrawn will be counted as a free chance.

(Further details regarding Fee Concession is mentioned at para 12 of “Instructions to the Candidates”)

**3. IMPORTANT DATES:-**

A	Date of Notification	19.02 .2016	
B	Last date for submission of applications and for uploading of the prescribed qualification Certificates	18.03.2016	
C	Last date for payment of Fee through Bank	21.03..2016	
<b><u>Date and Time of Written Examination</u></b>			
D	Paper - I (Subject of Examination)	25.06.2016 FN	10.00 A.M. to 01.00 P.M.
	Paper - II (General Studies)	25.06.2016 AN	02.30 P.M. to 04.30 P.M.

**4. QUALIFICATIONS:-****(A) AGE (as on 01.07.2016)**

Sl. No.	Category of Candidates	Minimum Age (Should have completed)	Maximum Age
1	SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs) BCMs and DWs of all Castes	18 Years	No Maximum Age limit
2	“Others” [i.e. Candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs) and BCMs]	18 Years	35 Years (Should not have completed)

**Note:-**

- (i) “Others” [i.e. Candidates not belonging to SCs, SC(A)s, STs, MBCs/DCs, BCs (OBCMs) and BCMs] who have put in 5 years and more of service in the State / Central Government are not eligible even if they are within the age limit.

**B. EDUCATIONAL QUALIFICATION: (as on 19.02. 2016) :-**

Candidates should possess the following or its equivalent qualification awarded by any University or Institution recognized by the University Grants Commission for the purpose of its grant on the date of Notification viz. 19.02.2016:

<b>Name of the Post</b>	<b>Qualification</b>	<b>Experience</b>
<b>Tester</b>	A degree or diploma in <b>Electrical Engineering or Electronics Engineering</b> of any recognized Institution or Board*	Practical experience for a period of one year in the field of Electrical Testing in the case of degree holders and three years in the case of diploma holders in a recognized concern**.
<b>Assistant tester</b>	A degree or diploma in <b>Electrical Engineering or Electronics Engineering</b> of any recognized Institution or Board*	Practical experience for a period of six months in the field of electrical Testing in the case of degree holders and one and half years in the case of diploma holders in the recognized concern**.

**Note:** Other things being equal, preference shall be given to persons who have completed one year of apprenticeship under the Government of India scheme or one year of Training under the State Government Apprenticeship Scheme

**Explanation:-**

- \* "Recognised Institution or Board" shall mean an Institution or Board Recognised by the Government of India or by any of the State Governments.
- \*\* "Recognised Concern" shall mean an Industrial or Engineering Establishment having facilities for wide range of practical work and recognised by the Government of India or by any of the State Government or by the State Board of Technical Education and Training, Madras for affording practical training to candidates or any large or medium or small scale factory registered under the Factories Act, 1948, (Central Act LXIII of 1948) or the Director of Industries and Commerce, Chennai as a small scale industry using power and employing not less than ten persons in its manufacturing processes.

**Note:**

- (I) The Degree qualification prescribed should have been obtained after passing the SSLC and HSC/Diploma or its equivalent
- (II) The Diploma qualification prescribed should have been obtained after passing the SSLC.
- (III) The qualification ordered to be equivalent to the prescribed qualification are indicated in Annexure-I of this Notification. (Refer also to the Disclaimer annexed to the Notification)
- (iv) Candidates claiming equivalence of qualification should upload evidence for such claim in the form of Government Order (G.O.) issued prior to the date of this Notification. The G.O. issued after the date of Notification will not be accepted

(Further details are at paragraph 10 of the Instructions to the Candidates)

**(C) KNOWLEDGE OF TAMIL :-**

Candidates should possess adequate knowledge of Tamil on the date of this Notification viz. 19.02. 2016.

(Further Details are at para 11 of the 'Instructions to the candidates')

**5. SCHEME OF EXAMINATION (OBJECTIVE TYPE) AND ORAL TEST (OMR Method) :-**

Subject	Duration	Maximum Marks	Minimum Qualifying Marks for selection	
			SCs, SC(A)s, STs, MBCs / DCs, BCs and BCMs	Others
<b>I.PAPER-I</b> (200 Questions) Diploma standard <b>Electrical and Electronics engineering (Code No: 041)</b>	3 hours	300	171	228
<b>II. Paper-II</b> (100 questions) (S.S.L.C. Standard) <b>General Studies</b>	2 hours	200		
<b>Interview and Records</b>		70		
<b>Total</b>		<b>570</b>		

**Note**

- The question papers in Paper - I and Paper-II will be set both in English and Tamil.
- The syllabi for Paper - I & Paper-II have been furnished in Annexure-IIA and IIB to this Notification and also available in the Commission's Website 'www.tnpsc.gov.in'.

**Note:-**

- To use either blue or black ink Ball Point pen only.
- Answer sheet will be invalidated if shaded in pencil.
- The answer sheet will be invalidated if the box provided for booklet series mentioned in the Question Paper is not shaded / incorrectly shaded.
- Each one mark will be deducted for incorrect or absence of shading Register Number.

## **6. CENTRE FOR EXAMINATION:-**

Examination will be held at **Chennai Centre** (Code No.0100) only.

### **Note:-**

1. Candidates should appear for the written examination / Oral Test / Certificate Verification at their own expenses.
2. The Commission reserves the right to increase or decrease the number of examination venues and to re - allot the candidates.

## **7. MODE OF PAYMENT OF EXAMINATION FEE:-**

- Examination fee Rs.100/- (Rupees One Hundred only)
- Candidates have to register their basic particulars through One-Time Registration which is mandatory on payment of Rs.50/- towards registration fee. The registration shall be valid for a period of five years from the date of one-time registration.
- Candidates should also to pay the service charges applicable to the Bank (State Bank of India / Indian Bank).
- Candidates can avail exemption from paying Examination Fees as per eligibility criteria.
- **Offline mode of payment in the form of DD/Postal Order etc., will not be accepted and the applications forwarded with such modes of payment will be summarily rejected.**
- Those who have already registered in the **One Time** registration system and paid the registration fee of Rs.50/- and received the registration ID **need not pay** the application fee i.e. Rs.50/- and it is enough to pay the Examination Fee of Rs.100/- alone.
- Candidates who have made **One Time Registration must apply for this post also.** **One Time Registration** is only to avail exemption for application fee for a period of 5 years from the date of registration.

## **8. PROCEDURE OF SELECTION:-**

Selection will be made in two successive stages i.e., (i) Written Examination and (ii) Oral Test in the form of an interview. Final selection will be made on the basis of total marks obtained by the candidates at the Written Examination and Oral Test taken together subject to the rule of reservation of appointments. Appearance in both the papers of the Written Examination and Oral Test is compulsory. A candidate who has not appeared in any one of the papers in Written Examination or Oral Test will not be considered for selection, even if he/she secures qualifying marks in the Written Examination or Oral Test. (Further details are at para 23 (b) of Instruction to candidates).

## 9. NO OBJECTION CERTIFICATE

For details refer para 15 (g) of the Commission's 'Instructions to the candidates'. Any violation of the instructions will be liable for or end in rejection of his/her candidature

## 10. CONCESSIONS:-

Concessions in the matter of age and/or qualification and/or fees allowed to SCs, SC(A)s, STs, MBCs/DCs, BCs, BCMs, Destitute Widows, Ex-Servicemen, Differently Abled persons, other categories of persons etc., are given in para 12 to 14 of the Commission's 'Instructions to the candidates'.

## 11. HOW TO APPLY:

Click here [www.tnpscexams.net](http://www.tnpscexams.net) / [www.tnpscexams.in](http://www.tnpscexams.in)

## 12. GENERAL INFORMATION:-

- A. The Rule of reservation of appointments applies to this post.
- B. In G.O.Ms.No.145, Personnel and Administrative Reforms (S) Department, dated 30.09.2010, the Government have ordered that "twenty percent of all vacancies in the appointment in the service under, the State which are to be filled by direct recruitment shall be set apart on preferential basis to persons studied in Tamil Medium and the said Tamil Medium reservation applies to this recruitment. In G.O. (Ms.) No.40, Personnel and Administrative Reforms (S) Department, dated 30.04.2014, Government have issued orders substituting the turns already earmarked to PSTM. However, turn earmarked for PSTM does not arise in this recruitment.
- (Further details are at para 29 (xix) of the 'Instructions to candidates')
- C. The number of vacancies advertised is only approximate and is liable for modification including reduction with reference to the vacancy position at any time before finalisation of selection
- D. If no qualified and suitable women 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.
- E. In G.O. (Ms.) No.25, DA (SW4) Department, dated 14.03.2005, executive orders were issued by Government approving a list of 170 posts identified under Group A & B categories as the suitable posts for the persons with disabilities and also directed that 3% of vacancies in direct recruitment for the posts identified under A & B categories shall be reserved for Differently Abled Persons. As far as the posts of '**Tester**' and '**Assistant Tester**' in Tamil Nadu Industries Subordinate Service are concerned, it is not been identified as suitable for Differently Abled person in the above said G.O. Hence reservation to differently abled person will not apply for these posts. However, they can apply and should send the documents referred to in **para 14 (f)** of the Commission's 'Instructions to the Candidates' when called for.

**F. CERTIFICATE OF PHYSICAL FITNESS:-**

Candidates selected for appointment to these posts will be required to produce a certificate of physical fitness in the form prescribed below:

<b>Form of Certificate of Physical Fitness</b>	<b>Standard of Vision Prescribed</b>
Form prescribed for Executive Post	Standard-III or Better

Candidates with defective vision should produce eye fitness certificate from a qualified eye specialist.

**G. Reservation to “Destitute Widows” and “Ex-service Men” will not apply to these posts.**

H. Any claim relating to the selection (not related to candidature or / and claims made in the application) should be sent when called for documents / uploading document is made. Any claim received thereafter will not be entertained.

I. Correct and true Information regarding arrest, convictions/debarment/disqualification by any recruiting agency, criminal or any disciplinary proceedings initiated or finalized, participation in agitation or any Political Organization, candidature in election for Parliament/State Legislature/Local Bodies etc., if any, should also be furnished to the Commission at the time of application i.e. the details thereof, originals of the Judgement 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 without fail.

J. The selection for appointment to the above said posts are purely provisional subject to final Orders on pending Writ Petitions, if any, filed in Madras High Court and Madurai Bench of Madras High Court.

**K. Applications containing wrong claims relating to other basic qualifications / eligibility criteria / age / communal categories / educational qualification will be liable for rejection.**

**13. OTHER IMPORTANT INSTRUCTIONS**

- a. **Candidates should ensure their eligibility for examination:** The candidates applying for the examination should ensure that they fulfil all eligibility conditions for admission to examination. **Their admission to all stages of 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 Commission.

b. The Hall Tickets for eligible candidates will be made available in the Commission's Website [www.tnpsc.gov.in](http://www.tnpsc.gov.in) or [www.tnpscexams.net](http://www.tnpscexams.net) for downloading by candidates. No Hall Tickets will be sent by post. So, the candidates / applicants should watch TNPSC website since ahead / before the scheduled date of Examinations.

c. **Facilitation Counter for guidance of candidates:**

In case of any guidance/ information / clarification of their applications, candidature, etc. candidates can contact Tamil Nadu Public Service Commission's Office in person or over Telephone No.044-25332833/ 25332855 or the Commission's Office Toll-Free No.1800 425 1002 on all working days between 10.00 a.m. and 05.45 p.m.

d. **Mobile phones and other articles banned:-**

- i. Candidates are not allowed to bring to the venue of the Examination 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
  - ii. If they are found to be in possession of any such thing or instrument they will not be allowed to attend the examination further, besides invalidation of answer paper and / or debarment. If it is considered necessary they will be subjected to thorough 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.
- e. Candidates are not required to submit along with their application any certificates in support of their claims regarding age, educational qualifications, community certificates and certificates regarding their physical disability, etc., They should be submitted when called for by the Tamil Nadu Public Service Commission. The candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the examination. Their admission at all the stages of examination for which they are admitted by the Commission viz. Written Examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If on verification at any time before or after the Written Examination and Certificate Verification, it is found that they do not fulfil any of the eligibility conditions, their candidature for the examination will be cancelled by the Commission.
- f. If any of their claims is found to be incorrect, or false it will lead to rejection / debarment



- g. Unfair means strictly prohibited:** No candidate shall copy 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.
- h. 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 Commission for the conduct of the examination. Any such misconduct will be severely viewed and penalized.

**The on-line application can be submitted upto 18.03.2016 till 11.59 p.m., after which the link will be disabled.**

*(For detailed information the candidates may refer Commission's "Instructions to the candidates" at the Commission's website [www.tnpsc.gov.in](http://www.tnpsc.gov.in) )*

**Secretary**

**DISCLAIMER**

“ The Government orders relating Equivalence of qualification have been hosted in the Tamil Nadu Public Service Commission website. However, the candidates while applying for the examination should upload the equivalence of qualification in the form of Government order, if any, which are not mentioned in the Annexure to the Notification and produce the same when called for by Tamil Nadu Public Service Commission”.

Secretary

**FORMAT FOR EXPERIENCE CERTIFICATE**

(in Company letter pad)

Name & Address of the Employer with Contact No. E-mail id & website address	
Company Registration No.	
Total No. of Employees in the Organisation	

**EXPERIENCE CERTIFICATE**

This is to certify that Thiru. / Tmt. / Selvi .....  
S/D/W/o ..... has worked / is working as  
..... (Designation of Employee) in the field of  
..... at  
..... (Name of the  
Organisation & Place) from ...../...../.....(Date of Joining) to  
...../...../..... (Date of leaving). During this tenure his/her work and  
conduct has been found to be \_\_\_\_\_.

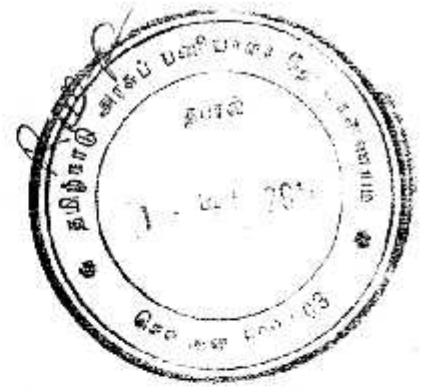
Nature of work assigned to the Employee in not more than 15 words.  
(Electrical testing) | .....  
| .....

Signature | .....  
Name & Designation of Signing Authority | .....  
Date & Company Seal | .....

**Note :** (Experience in a recognised concern mean work in an industrial or Engineering establishment having facilities for wide range of practical work and recognised by the Government of India or by any of the State Government or by the State Board of Technical Education and Training, Chennai for affording practical training to candidates or any large or medium or small scale factory registered under Factories Act 1948 (Central Act LXIII of 1948) or the Director of Industries and Commerce, Chennai as a small scale industry using power and employing not less than 10 persons in its manufacturing process)

**ANNEXURE-I****G.Os relating to equivalence of qualification for the subjects B.E. (Electronics) and B.E. (Electrical) and Diploma in Electrical Engineering and Electronics Engineering**

<b>Sl. No.</b>	<b>Degree</b>	<b>Equivalence Degree</b>	<b>G.O.</b>
1.	B.E., Electronics	B.E., Electronics and Communication awarded by Anna University, Equivalent to B.E. Electronics	G.O.Ms.No.190 H.E. (J1) Department, dated 18.11.2014.
2.	B.E., Electrical and Electronics	B.E., (Electrical)	G.O.Ms.No.262 HE (J2) Department, dated 28.07.2009.
3.	Diploma in Electrical Engineering and Electronics Engineering	Various Military Trades, Government of India automatic acceptance of equivalence of various military trades as published by the Government of India, equivalent to civil trade awarded by State Board of Technical Education	G.O.Ms.No.106, P&AR Department dated 11.06.1999.



U64505

**ABSTRACT**

Higher Education – Equivalence of Degree – M.E. (Environmental Management) awarded by Anna University equivalent to M.E. (Environmental Engineering) – B.E.(Electronics and Communication) awarded by Anna University equivalent to B.E.(Electronics) – Recommendation of Equivalence Committee – Orders – issued.

Higher Education (J1) Department

G.O.(Ms.) No.190

Date: 18.11.2014.

ஐய வருடம், கார்த்திகை 2,  
திருவள்ளூர் ஆண்டு 2045.

Read:

- NP 1. G.O.(Ms) No.441, Personnel and Administrative Reforms (R) Department, dated 20.12.1993.
2. From the Secretary, Tamil Nadu Public Service Commission  
D.O.Letter No. 500/RND-F1/2014, dated 30.1.2014 and  
letter No. ~~6342~~500/RND-F1/2014 dated 25.3.2014
- .....

**ORDER:**

The Secretary, Tamil Nadu Public Service Commission in the letter dated 30.1.2014 second read above, has forwarded the resolutions passed by the 46<sup>th</sup> Equivalence Committee Meeting held on 29.01.2014 for the purpose of appointments in Public Services.

2. The Government after careful consideration have decided to accept the recommendation of the 46<sup>th</sup> Equivalence Committee held on 29.01.2014 on Item No.17 & 20 and accordingly direct that the following educational qualifications possessed by the candidates as equivalent to the courses mentioned therein from the date of issuance of such degree:-

Sl.No.	Name of the Course	Equivalent / Not Equivalent
1	Public services - Educational Qualification – Consideration as to whether M.E (Environmental Management) awarded by Anna University is equivalent to M.E (Environmental Engineering)	Equivalent

2	Public Services - Educational Qualification - Consideration as to whether B.E (Electronics and Communication) awarded by Anna University is equivalent to B.E (Electronics).	11 Equivalent
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(BY ORDER OF THE GOVERNOR)

HEMANT KUMAR SINHA  
PRINCIPAL SECRETARY TO GOVERNMENT.

To

- ✓ The Secretary, Tamil Nadu Public Service Commission, Chennai-3
- The Vice-Chancellor / Registrar, Anna University, Chennai-25
- All Secretaries to Government, Secretariat, Chennai-9
- The Commissioner of Technical Education, Chennai-25
- The Chairman, Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-600 032
- Copy to:
- The Special Personal Assistant to Minister (Higher Education), Chennai-9
- The Private Secretary to Principal Secretary, Higher Education Department, Chennai-9
- The Personnel and Administrative Reforms (M2) Department, Chennai-9
- All Sections in Higher Education Department, Chennai-9
- SF/SC

// Forwarded / By Order //

*Dr. V. G. S. ...*  
Section Officer.  
*18/11/14*



தருக்கம்

063755

உயர்கல்வி - பொதுப்பணிகள் - கல்வித் தகுதி - வேலைவாய்ப்பிற்காக பி.இ. (மின்னியல் மற்றும் மின்னணுவியல்) பட்டப்படிப்பினை பி.இ. (மின்னியல்) பட்டப் படிப்பிற்கு இணையாகக் கருதுதல் - ஆணை வெளியிடப்படுகிறது.

அரசாணை (நிலை) எண்.262

உயர்கல்வி (ஜே2) துறை

நாள் 28.7.2009.

ஆடி 12,

திருவள்ளூர் ஆண்டு 2040.

படிக்கப்பட்டவை

*[Handwritten signature]*

அரசாணை (நிலை) எண்.441, பணியாளர் மற்றும் நிருவாகச் சீர்திருத்தத்துறை, நாள் 20.12.1993.

தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையச் செயலாளரின் கடித எண்.2724/RND-F1/2007, நாள் 20.11.2008.

ஆணை.

மேலே இரண்டில் படிக்கப்பட்ட கடிதத்தில், செயலாளர், தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், சென்னை-2, ஒருங்கிணைந்த பொறியாளர் பணித் தேர்வுக்கு, தமிழ்நாடு அரசுப்பணியாளர் தேர்வாணையத்திற்கு இளநிலை மின் ஆய்வாளர் மற்றும் தொழிற்சாலைகளுக்கான உதவி ஆய்வாளர் ஆகிய பணியிடங்களுக்கு நேரடித் தேர்வுக்கு விண்ணப்பித்திருந்த சில விண்ணப்பதாரர்கள் பி.இ. (மின்னியல் மற்றும் மின்னணுவியல்) பட்டப்படிப்பினை முடித்திருந்ததாகவும், எனவே பி.இ. (மின்னியல் மற்றும் மின்னணுவியல்) பட்டப்படிப்பினை பி.இ. (மின்னியல்) பட்டப்படிப்பிற்கு இணையானதாகக் கருதலான என்பது குறித்து முடிவெடுக்க, இப்பொருளானது 17.11.2008 அன்று, தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையத்தில் நடைபெற்ற 25வது இணைத் தகுதிக்குழுவில் வைக்கப்பட்டது என்றும், அக்குழுவானது வேலை வாய்ப்பிற்காக பி.இ. (மின்னியல் மற்றும் மின்னணுவியல்) பட்டப் படிப்பினை பி.இ. (மின்னியல்) பொறியியல் பட்டப்படிப்பிற்கு இணையானதாகக் கருத பரிந்துரை செய்துள்ளது என்றும் தெரிவித்து, இது தொடர்பாக ஆணை வெளியிடும்பொழுதும் கோரியுள்ளார்.

2. மேற்கண்ட பரிந்துரையினை அரசு கவனமாகப் பரிசீலனை செய்த பின், 17.11.2008 அன்று நடைபெற்ற இணைத் தகுதிக்குழுவின் பரிந்துரையை ஏற்கலாம் என முடிவு செய்துள்ளது. அல்லாதே, பி.இ. (மின்னியல் மற்றும் மின்னணுவியல்) பட்டப்படிப்பினை பி.இ. (மின்னியல்) பட்டப்படிப்பிற்கு இணையானதாகக் கருதி பொதுப்பணிகளில் வேலைவாய்ப்பிற்கு அங்கீகாரம் அளித்து அரசு ஆணையிடுகிறது.

(ஆளுநரின் ஆணைப்படி)

க.கணேசன்,

அரசு முதன்மைச் செயலாளர்.

பெறுநர்

- செயலாளர், தமிழ்நாடு அரசுப் பணியாளர் தேர்வாணையம், சென்னை-2.
- முதன்மைச் செயலாளர்/தொழில்நுட்பக் கல்வி ஆணையர், சென்னை-25.
- பதிவாளர், அண்ணா பல்கலைக்கழகம், சென்னை-25 / திருச்சிராப்பள்ளி / கோயம்புத்தூர் / திருநெல்வேலி, நகல்
- செயலாளர், எரிசத்தித்தறை, சென்னை-9.
- செயலாளர், பணியாளர் மற்றும் நிருவாகச் சீர்திருத்தத்துறை, சென்னை-9.
- செயலாளர், தொழிலாளர் நலன் மற்றும் வேலைவாய்ப்புத்துறை, சென்னை-9.
- இ.கோ/உ.தி.பி.

// ஆணைப்படி அனுப்பப்படுகிறது //

*[Handwritten signature]*  
பிரிவு அலுவலர். 29/10/09



உயிர் தாது சரண

அருக்கம்

சுவித சகுதி - பொதுப் பணிகளில் வேலை வாய்ப்பு பெற மத்திய அரசால்  
அவ்வப்போது வெளியிடப்படும் முப்படைகளுக்கான தொழிற்கல்வித் தகுதியை  
( Military Trade ) மாநிலங்களின் பலதர் ஐறை சாராத  
தொழிற்கல்வித் தகுதிக்கு ( Civil Trade ) இணையாக சகுதி  
அங்கீகரித்த ஆணைகள் வெளியிடப்படுகின்றன.

பலியாளர் மற்றும் நிர்வாக சீர்திருத்த (ஆர்) ஐறை.

அ.க. நிலை எண் 206

நாள்: 11.6.1999

யிரமாளி, வைகாசி, 28  
சுருவந்தூர் ஆண்டு 2030.

படிக்கப்பட்டது:

1. அரசாணை நிலை எண். 441, பலியாளர் மற்றும் நிர்வாக சீர்திருத்த (ஆர்) ஐறை, நாள் 20.12.93.
2. முன்னாள் படைவீரர்கள் நலத்தொறயில் கருதல் இயக்குநரது கடித எண். 9572/97/அ.1, நாள் (9).12.97.
3. தமிழ்நாடு அரசு பலியாளர் நேர்வாணையம், செயலரது கடித எண். 3196/ஆர்.எண்.டி.-95/98, நாள் 17.9.98.

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pp. 3-5 of  
a.no.3183/Am-F/98  
Action taken  
separately.

ஆணை:

முன்னாள் படைவீரர்கள் நலத்தொறயில் கருதல் இயக்குநர் அவர்கள், மத்திய அரசால் வழங்கப்படும் முப்படைகளுக்கான தொழிற்கல்வித் தகுதியை ( Military Trade ) மாநிலங்களின் பலதர் ஐறை சாராத தொழிற்கல்வித் தகுதிக்கு ( Civil Trade ) இணையாகக் சகுதி அவ்வப்போது வெளியிடப்படுகின்றன எனும், அவ்வாறு ஆணைகள் வெளியிடும் முன்னர், தொடர்புடைய ஆணைகளைக் கண்டறி / இராணுவம் / சப்பற்படை / விமானப்படை ஆகியவற்றால் அளிக்கப்படும் தொழிற்கல்வித் தகுதிக்குக்கான பட்டங்கள் மற்றும் முப்படையில் பணியாற்றப்பவர்களுக்கு அளிக்கப்படும் பயிற்சியில் தரம் ஆகியவற்றில் விபரங்களைப் பெற்றும், மனிதவள மேம்பாட்டுத் துறையின் பலியாளர் மற்றும் பயிற்சித் துறை இயக்குநரின் இணைப்பையும் பெற்ற பின்னரே ஆணைகள் மத்திய அரசால் வெளியிடப்படுகின்றன. மேலும், இப்பொருள் தொடர்பாக மாநில அரசுகளும் போதெல்லாம், மத்திய அரசால் அங்கீகரிக்கப்பட்ட முப்படைகளுக்கான தொழிற்கல்வித் தகுதிக்குக்கான பட்டங்களைக் கேட்பதாகவும், அதை பாக்காய்ப்புத் துறை சார்புத் தொழிற்கல்வித் தகுதிக்குக்கான பட்டங்களைக் கேட்பதாகவும், இவ்வாறு சாஸ்தாமதங்கள் தீர்ந்ததாகவும், முன்னாள் படைவீரர் நலத்தொறயில் கருதல் இயக்குநர் அவர்கள் தொழிற்கல்வித் தகுதிக்குக்கான பட்டங்களைக் கேட்பதாகவும், மத்திய அரசால் வெளியிடப்படும் முப்படைகளுக்கான தொழிற்கல்வித் தகுதியை ( Military Trade ) மாநிலங்களின் பலதர் ஐறை சாராத தொழிற்கல்வித் தகுதிக்கு ( Civil Trade ) இணையாகக் சகுதி மத்திய அரசால் வெளியிடப்படும் ஆணைகள் அடிப்படையில் தானாகவே இம்மாநிலத்திலும் பொருத்தம் வகையில் அங்கீகாரம் வழங்க ஆணை வெளியிடும்படி, முன்னாள் படைவீரர் நலத்தொற கருதல் இயக்குநர் அவர்கள் அரசைக் கேட்டுள்ளார்.



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2. முன்னாள் படைவீரர் நலத்துறை கருதல் இயக்குநரின் கோரிக்கை, அரசாணை தலை எண். 441, பணியாளர் மற்றும் நிர்வாக சீர்திருத்த (ஆர்) சபை, நாள் 20.12.93-ல் படி நடந்தாடு அரசுப் பணியாளர் தேர்வாணையத்தில் நடைவரைத் தலைமையாளர் கோட்ட ஞெலித் முன்னர் பரிந்துரைக்கப்பட வேண்டியது.

3. 21.8.98 ஆம் நாட்கள் ஞெலித் கட்டத்தில் மேற்காணும் பொருள் ஞெலித் விவரத்தில் பட்டி, முன்னாள் படைவீரர் நலத்துறையில் கருதல் இயக்குநரின் கோரிக்கையை ஏற்கலாம் என ஞெலித் பரிந்துரைக்கப்பட்டது.

4. ஞெலித் பரிந்துரைகள் அரசு தீர்மானம் பரிந்துரை செய்ய ஏற்கல் கோரிக்கை முடிவெடுத்தது. அவ்வாறும், முப்படைவீரர்களை தொழிற்கல்வித் துறைய (Military Trade) மாநிலங்களிலுள்ள படைத்துறை சாராத தொழிற்கல்வித் துறைகள் (Civil Trade) இடையாகக் கருதி, மத்திய அரசாங்க வெளியிடப்படும் தலைமையின் அடிப்படையில் தானாகவே (Automatic Acceptance) இயங்கி நிறுவல் பொருள்நிறுவனத்தில் வேலைவாய்ப்புகள் பெறும்பொருட்டு, அங்கீகரிக்க வேண்டியது.

(அனுமதி அளவப்படி)

உதவா பாலகிருஷ்ணன்  
அரசுச் செயலர்

பொருள்

அனைத்து அரசுச் செயலர்கள், சென்னை-9.

அனைத்துத் தலைமை அலுவலர்கள்.

செயலர், தயிந்தாடு அரசுப் பணியாளர் தேர்வாணையம், சென்னை-2.

கருதல் இயக்குநர், முன்னாள் படைவீரர் நலத்துறை இயக்கம், 22, கலைப்பர் திடல், சென்னை-3.

நகல்:

அனைத்துத் தலைமைச் செயலக சபைகள், சென்னை-9.

பணியாளர் மற்றும் நிர்வாக சீர்திருத்த சபையில் அனைத்துப் பிரிவுகள், சென்னை-9.

முதலமைச்சர் அலுவலகம், சென்னை-9.

/ஆணைப்படி அனுப்பப்படுகிறது/

*[Handwritten Signature]*  
பரிந்துரை அலுவலர்  
14/11/94

# ANNEXURE-IIA

Electrical and Electronics

## **DIPLOMA STANDARD**

### I. ENGINEERING MECHANICS AND PRIME MOVERS:-

Mechanical and Electrical properties of materials - Tension, compression and shear -geometrical properties of sections - Torsion - Riveted and welded joints - Bearings and Lubrication - transmission of power. Hydraulic turbines and steam turbines - I C Engines: - Petrol Engine and Diesel Engine.

### II. CIRCUIT THEORY AND DC MACHINES:-

DC Circuits - Storage Batteries - Single phase AC and 3 phase AC circuits - Circuit Theorems (Simple problems in DC). Electro magnetism - automobile electric circuit - DC Generator - Types - construction - working - characteristic curves - application. DC Motor - Types - construction - working - characteristics - application - speed control.

### III. A.C. MACHINES:-

Transformer - construction - EMF equation - OC & SC Test - Regulation and efficiency. Alternator - construction - EMF equation - methods of obtaining sine-wave - parallel operation - Testing. Synchronous Motor - construction - starting methods - application. Induction Motor - 3 phase - construction and working principle - starting of 3 phase induction motors - speed control. single phase induction motors - working principle - applications.

### IV. MEASUREMENTS:-

Classification of instruments - operating forces and constructional details of M.I., MC and Dynamometer type instruments. Direct measurement of EMF, current and power maximum demand indicator - synchroscope. Construction and working of single phase and 3 phase Energymeters - Measurement of resistance - AC Bridges - Anderson bridge for measurement of inductance. Measurement of speed by stroboscopic method, cable fault detection by Murray and Varley's Method.

### V. ELECTRONIC DEVICES:-

Cathode Ray Oscilloscope, Semi conductor Diodes - Junction Transistors (BJT) - Field effect Transistors (JFET & MOSFET) and Uni junction Transistor (UJT). Special semiconductor devices - Gunn diode, varactor diode, Zenar diode, Tunnel diode - Silicon controlled Rectifier - DIAC - TRIAC - Photodiode - Solar Cell. Transistor configuration - Biasing and stabilising circuits (No deviation)

### VI. ELECTRONIC CIRCUITS:-

Rectifiers - Half wave, full wave and Bridge - 3 phase rectifiers - voltage regulators - basic concept of SMPS. Oscillators - colpitt's Hartley - crystal - multivibrators (astable, monostable and bistable) - Digital electronics - De Morgauns Theorem - Half adder - Full Adder - multiplexer - Demultiplexer - BCD to 7 - segment decoder - D to A and A to D convertors - Ripple counter.

### VII. GENERATION AND TRANSMISSION:-

Generation of electrical energy - Economics of power generation - Line Insulators and Underground cables Transmission lines voltage regulation - sag. Lightning arrestors - earthing Fuses - HRC fuse.

### VIII. DISTRIBUTION AND UTILISATION:-

AC and DC Distribution - substations - Busbar system. Industrial Drives - Types of electric drives and choice of electric motor. Electric Traction - Traction mechanics - power supply - Traction motor - Braking. Illumination - Laws of illumination - construction and characteristics of Sodium and Incandescent lamps Factory lighting - street lighting. Chemical effects - Electrolysis & application to extraction of Aluminium and Zinc - copper refining - Heating & welding - methods of electric heating - Resistance welding - Electric Arc welding - Energy storage welding.

IX (A) COMPUTER PROGRAMMING:- Input devices - Output devices - flow chart - BASIC PROGRAMMING.

(B) ESTIMATING&COSTING:- Indian Electricity Rules-1956-Standard symbols used in wiring and drawing estimation for different installations (House wiring, Theatre wiring)

X. CONTROL AND MAINTENANCE:- Plant maintenance - Common defects and remedies of commutation - preparatory steps for repair of windings - location of faults in winding. Transformer installation and maintenance - maintenance of induction motors and starters. Motor control circuit for reversing jogging and inching.

# ANNEXURE-IIB

## All Technical Examination (S.S.L.C. / H.S.C / Diploma Standard)

### Main Examination

#### General Studies (Topics for Objective type)

##### Unit-I General science :

Physics Nature of Universe-General Scientific laws-Inventions and discoveries-National scientific laboratories-Mechanics and properties of matter-Physical quantities, standards and units-Force, motion and energy-Magnetism, electricity and electronics-Heat, light and sound

Chemistry-Elements and Compounds-Acids, bases and salts-Fertilizers, pesticides, insecticides

Botany-Main Concepts of life science-Classification of living organism-Nutrition and dietetics-Respiration

Zoology-Blood and blood circulation-Reproductive system-Environment, ecology, health and hygiene-Human diseases, prevention and remedies-Animals, plants and human life

##### Unit- II. Current Events

History Latest diary of events-national -National symbols-Profile of States-Eminent persons & places in news-Sports & games-Books & authors -Awards & honors'-India and its neighbors

Political Science-Problems in conduct of public elections-Political parties and political system in India-Public awareness & General administration-Welfare oriented govt. schemes, their utility-

Geography-Geographical landmarks-

Economics :Current socio-economic problems

Science: Latest inventions on science & technology

##### Unit- III. Geography

Earth and Universe-Solar system-Monsoon, rainfall, weather & climate-Water resources --- rivers in India-Soil, minerals & natural resources-Forest & wildlife-Agricultural pattern-Transport & communication-Social geography - population-density and distribution-Natural calamities - Disaster Management□

##### Unit IV. History and culture of India and Tamil Nadu

Indus valley civilization-Guptas, Delhi Sultans, Mughals and Marathas-Age of Vijayanagaram and the bahmanis-South Indian history-Culture and Heritage of Tamil people-India since independence-Characteristics of Indian culture-Unity in diversity - race, colour, language, custom-India-as secular state-Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes

Unit-V. INDIAN POLITY

Constitution of India--Preamble to the constitution- Salient features of constitution- Union, state and territory- Citizenship-rights amend duties- Fundamental rights- Fundamental duties- Human rights charter- Union legislature – Parliament-. State executive-. State Legislature – assembly- Local government – panchayat raj – Tamil Nadu- Judiciary in India – Rule of law/Due process of law-. Elections-. Official language and Schedule-VIII-. Corruption in public life-. Anti-corruption measures –CVC, lok-adalats, Ombudsman, CAG- Right to information- Empowerment of women- Consumer protection forms-

Unit-VI. INDIAN ECONOMY

Nature of Indian economy- Five-year plan models-an assessment-Land reforms & agriculture-Application of science in agriculture-Industrial growth-Rural welfare oriented programmers-Social sector problems – population, education, health, employment, poverty-Economic trends in Tamil Nadu

Unit-VI. INDIAN NATIONAL MOVEMENT

National renaissance--Emergence of national leaders-Gandhi, Nehru, Tagore-Different modes of agitations-Role of Tail Nadu in freedom struggle Rajaji, VOC, periyar , Bharathiar & others

**Unit- VII. APTITUDE & MENTAL ABILITY TESTS**

Conversion of information to data-Collection, compilation and presentation of data - Tables, graphs, diagrams-Parametric representation of data-Analytical interpretation of data -Simplification-Percentage-Highest Common Factor (HCF)-Lowest Common Multiple (LCM)-Ratio and Proportion-Simple interest-Compound interest-Area-Volume-Time and Work - Logical Reasoning-Puzzles- Dice-Visual Reasoning-Alpha numeric Reasoning-Number Series.