



SOUTHERN POWER DISTRIBUTION COMPANY OF T.G. LIMITED
6-1-50, Corporate Office, Mint Compound :: Hyderabad – 500 063, Ph.No.040-23431003/1032.

TSSPDCL Notification No. 01/2016 - Sub-Engineer(Electrical)

Applications are invited On-line through TSSPDCL Website www.tssouthernpower.com and <http://tssouthernpower.cgg.gov.in> from eligible candidates holding Diploma in Engineering with Electrical branch for filling up of 153 vacant posts of SUB-ENGINEERs (Electrical) by direct recruitment on regular basis in TSSPDCL-Engineering Service.

Para- I:-

- i) Starting date for payment of Fee - 18.01.2016
- ii) Starting date of application submission - 18.01.2016
- iii) Last date for payment of Fee - 05.02.2016
- iv) Last date for submission of Online Application - 06.02.2016

The Written Examination will be conducted during the month of March, 2016. The exact date of Written Examination will be placed in the website and Hall Tickets can be downloaded from the website.

The above dates may change as per sole discretion of TSSPDCL.

The TSSPDCL reserves the right to cancel the notification/Recruitment process at any stage without assigning any reasons.

The vacancies are available in the circles of Hyderabad (North), Hyderabad (Central), Hyderabad (South), Ranga Reddy (North), Ranga Reddy (South), Ranga Reddy (East), Nalgonda, Medak and Mahabubnagar.

2. The desirous eligible Candidates may apply through ON-LINE by satisfying themselves with the terms and conditions of this recruitment.

The break-up of 153 vacancies (including backlog) community wise, Open/Local are as follows:-

DETAILS OF VACANCIES IN VARIOUS OPERATION CIRCLES IN TSSPDCL

LIMITED RECRUITMENT

S.No	CATEGORY	HYDERABAD CENTRAL		HYDERABAD SOUTH		HYDERABAD NORTH		RANGA REDDY SOUTH		RANGA REDDY NORTH		RANGA REDDY EAST		MAHABUBNAGAR		MEDAK		NALGONDA		TOTAL	
		O*	L^	O	L	O	L	O	L	O	L	O	L	O	L	O	L	O	L	O	L
1	OC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	OC(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	OC-PH(*)	0	0	0	0	0	3	0	1	0	2	0	0	0	1	0	0	0	1	0	8
4	BC-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	BC-A(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BC-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BC-B(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BC-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	BC-C(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	BC-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BC-D(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BC-E	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	BC-E(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SC(W)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
16	ST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	ST(W)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
TOTAL		0	0	0	0	0	4	0	1	0	2	0	0	3	0	0	0	1	0	0	11

GENERAL RECRUITMENT

S.No	CATEGORY	HYDERABAD CENTRAL		HYDERABAD SOUTH		HYDERABAD NORTH		RANGA REDDY SOUTH		RANGA REDDY NORTH		RANGA REDDY EAST		MAHABUBNAGAR		MEDAK		NALGONDA		TOTAL	
		O*	L^	O	L	O	L	O	L	O	L	O	L	O	L	O	L	O	L	O	L
1	OC	0	0	1	3	0	1	1	5	1	3	0	4	2	7	2	9	1	6	8	38
2	OC(W)	1	0	0	0	0	0	0	3	0	1	1	1	0	3	1	4	1	4	4	16
3	OC-PH(**)	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	0	0	0	5
4	BC-A	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	2	0	0	6
5	BC-A(W)	0	0	0	1	0	0	1	0	0	1	0	1	0	1	1	0	0	0	2	4
6	BC-B	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	2	1	5
7	BC-B(W)	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	0	1	1	5
8	BC-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
9	BC-C(W)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	BC-D	0	0	0	1	0	1	0	0	0	1	0	0	0	2	0	0	1	1	1	6
11	BC-D(W)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
12	BC-E	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	3
13	BC-E(W)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
14	SC	0	0	0	1	1	0	0	1	1	1	0	1	1	1	0	3	0	3	3	11
15	SC(W)	0	0	0	1	0	0	1	0	0	1	1	0	0	1	1	1	1	1	4	5
16	ST	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	2	1	4
17	ST(W)	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	3
TOTAL		1	2	1	8	1	2	3	14	2	10	2	10	5	20	6	28	5	22	26	116

O* - Open to All Vacancy, L^ - Vacancy reserved for Local Candidates.

OC-PH(*) - PH(VH)-3, PH(HH)-3, PH(OH)-1, PH(VH-W)-1 (Limited Recruitment)

OC-PH(**) - PH(VH)-1, PH(OH)-1, PH(VH-W)-1, PH(HH-W)-2 (General Recruitment)

The above vacancies and their places of utilization may vary at the time of filling-up of the posts based on the necessity.

3. Educational Qualifications: Applicants must possess Diploma in Electrical Engineering Diploma(DEE) or Diploma in Electrical & Electronics Engineering(DEEE) or any other equivalent qualification recognized by the Board/Govt.

4. Age : Minimum 18 years, Maximum 44 years. **The age is reckoned as on 01/01/2016.**

As per SP.O.O.(CGM-HRD)Ms.No.701,dt.19.09.2015, the Upper age limit is raised up to 10 years i.e., from 34 to 44 years.

Age Relaxation:- The Upper age limit prescribed above is relaxable up to 5 years in respect of SC/ST/BC candidates and up to 10 years in respect of Physically Handicapped candidates.

5. Fee :

a) Remittance of fee:- Each applicant must pay Rs. 100/- (Rupees one hundred only) towards Online application processing fee. This apart, the applicants have to pay Rs. 120/- (Rupees one hundred twenty only) towards examination fee. The applicants belonging to SC, ST, BC and PH categories are exempted from payment of examination fee. There is no examination fee exemption to the BCs coming under the Creamy layer.

b) Mode of payment of Fee: The fee mentioned at Para-I, 5 (a) is to be paid through any one of the T.S. Online centers and obtain Fee paid receipt with Journal Number.

Note:- The fee once remitted, shall not be refunded or adjusted under any circumstances. Failure to pay the examination fee, application fee, wherever applicable will entail total rejection of application.

After payment of the Fee, the candidates have to logon to the website www.tssouthernpower.com and click on Careers link or directly visit <http://tssouthernpower.cgg.gov.in> to view the detailed notification, user guide and application form. The applicants have to invariably fill all the relevant fields in the Application. Immediately on submission of application, the applicant will get an acknowledgement in the form of a downloadable pdf document.

Para -II

Centres for the written examination :- The written examination for recruitment of Sub-Engineers(Electrical) will be held at different centers located in GHMC jurisdiction.

Para-III :-

6. How to upload the Application form : The applicants have to carefully read the Notification and **user guide** before submission of online applications and then proceed further.

I Step:- Payment of Fee: The Applicant should pay the prescribed Fee as per the notification in any one of the T.S. Online centers duly following online instructions and obtain Fee paid receipt with Journal Number in the first instance.

II Step:- Submission of Application: After payment of Fee, the Candidate has to logon to the website www.tssouthernpower.com and at careers on home page click on **APPLY ONLINE** link or directly visit <http://tssouthernpower.cgg.gov.in> for online submission of application. The applicants have to provide payment details i.e. journal number, date of payment of fee, date of birth, etc and upload the scanned copy of passport size photograph with signature (see instructions for scanning and uploading photograph with signature) and then invariably fill all the relevant fields in the Application. Immediately on submission of application, applicant will get an acknowledgement in the form of a downloadable pdf document.

Note :-

i) TSSPDCL is not responsible for any discrepancy in Bio-data particulars while submitting the application form through On-line. The applicants are therefore advised to strictly follow the instructions and user guide on their own interest before submitting the application.

ii) The particulars furnished by the applicants in the application form will be taken as final and data entry is processed based on these particulars only by Computer. Candidates should therefore, be very careful in Uploading/ Submitting the application form On-line.

iii) Incomplete/Incorrect application form will be summarily rejected. The information if any furnished by the candidate subsequently in any form will not be entertained by TSSPDCL under any circumstances. Applicants should be careful in filling-up the application form and submission. If any lapse is detected during the scrutiny, the candidature will be rejected even though he/she comes to the final stage of recruitment process or even at a later stage.

iv) Before uploading/submission of application form, the candidates are required to go through the detailed notification and should carefully ensure his/her eligibility for this examination. No relevant column of the Application form should be left blank, otherwise application form will be rejected.

v) Hand written/Typed/Photostat copies/Outside printed Application Form will not be accepted and liable for rejection.

vi) Candidates are required to retain a photocopy of application form with Reference ID for future reference.

vii) Candidates have to submit application only through online mode well in advance of the last date to avoid last day rush.

viii) Applicants must compulsorily give their order of preference of the Circle for selection in the Open to All vacancies where-ever applicable.

ix) Only applicants willing to serve anywhere in the TSSPDCL jurisdiction should apply.

x) For any problems related to Online submission and downloading of Hall-Tickets please contact Help Desk No.040-23120303 or log on to <http://tssouthernpower.cgg.gov.in> and click on the complaint box.

Para-IV: General Provisions:

1) Applicants must compulsorily fill up all relevant columns of application and submit the application through website only. The particulars made available in the website shall be processed through Computer and the eligibility decided in terms of notification.

2) The applications received online in the prescribed proforma available in the website and within the time shall only be considered and TSSPDCL will not be held responsible for any kind of discrepancy.

3) Applicants must upload his/her own scanned photo signature through jpg format in the following steps:

Instructions for Scanning of Photograph with Signature for Uploading in the Application form.

Photograph
Signature

Photo width= 3.5cm
Photo Height= 4.5cm
Signature Space = 1.5 cm

- i) Paste the Photo on any white paper as per the above required dimensions. Sign in the Signature Space provided. Ensure that the signature is within the box.
- ii) Scan the above required size containing photograph and signature. Please do not scan the complete page.
- iii) The entire image (of size 3.5 cm by 6.0 cm) consisting of the photo along with the signature is required to be scanned and stored in *.jpg format on local machine.
- iv) Ensure that the size of the scanned image is not more than 50 KB.
- v) If the size of the file is more than 50 KB, then adjust the settings of the scanner such as the dpi resolution, no. of colours etc., during the process of scanning.
- vi) The candidate has to sign in full in the box provided. Since the signature is proof of identity, it must be genuine and in full; initials are not sufficient. Signature in CAPITAL LETTERS is not permitted.

vii) The signature must be signed only by the candidate and not by any other person.

viii) The signature will be used to put on the Hall Ticket and wherever necessary. If the candidate's signature on the answer script, at the time of the examination, does not match the signature on the Hall Ticket, the candidate will be disqualified.

Sample Photo and Signature



e.g. The Technical Specifications of the sample scanned image shown above are:

- Size of the file < 50 KB
- Dpi setting = 200 dpi
- True Colour

The candidate has to upload his/her Photo with Signature in the prescribed format by clicking on the browse button at the time of submission of application form.

4) The applicants should not furnish any particulars that are false, tampered, fabricated or suppress any material information while making an application through website.

5) All the essential certificates issued by the competent authority of Telangana State shall compulsorily be kept with the applicants to produce as and when required to do so. Failure to produce the required certificates on the day of verification will lead to disqualification.

6) Important : The claim of the candidates with regard to the date of birth, educational/technical qualifications and community are accepted only provisionally on the information furnished by them in their application form and is subject to the verification and satisfaction of TSSPDCL. Mere admission to any test or inclusion of the name of a candidate in a merit list will not confer on the candidates any right for appointment. The candidature is therefore

provisional at all the stages and TSSPDCL reserves the right to reject candidature at any stage of the selection even after the advice has been made.

7. Candidates called for verification of certificates will be required to furnish documentary proof in evidence of the following as and when called for:

- i) Age : Proof of age as recorded in SSC certificate or equivalent.
- ii) Qualification of Diploma Certificate or equivalent including marks memo etc.
- iii) Permanent Community certificate in original obtained from Govt. of Telangana State in respect of SC/ST & BC candidates clearly indicating the sub-caste and group. Further, candidates claiming to be belonging to B.C have to produce a certificate regarding their exclusion from the Creamy Layer from the Competent authority (Tahsildar)
- iv) Physically handicapped certificate indicating the minimum 40% of disability issued by the concerned Hospital as mentioned below :
ENT Hospital, Koti, Hyderabad ---- In respect of PH-HH
Sarojini Devi Eye Hospital, Hyderabad--- In respect of PH-VH
Osmania General Hospital, Hyderabad ----- In respect of PH-OH

The certificate should be later than 01.07.2015.

- v) Study Certificate obtained from the School/Institution and Residential Certificate should be obtained from Govt. of Telangana.

8. Candidates will be required to appear for written test as and when conducted at their own cost.

9. Admission for written test or calling the qualified candidates in the written test to furnish documentary proof does not confer any right for appointment.

10. The decision of the Selection Committee/TSSPDCL is final in selection and allotment of candidates.

PARA-V : IMPORTANT PROVISIONS GOVERNING THE RECRUITMENT PROCESS :

1. Vacancies : The Recruitment will be made to the vacancies notified subject to variation. There shall be no waiting list as per G.O.Ms.No.81, Gen. Admn. (Ser.A) Department,dt.22.02.1997 as adopted in B.P.(P&G-Per)Ms.No.100, dt. 28.07.1997.

2. Recruitment : The Recruitment will be processed as per this notification and also as per the rules and regulations of TSSPDCL existing as on date.

3. Rules : All are informed that various conditions and criterion prescribed herein are governed by the Rules and Regulations /Orders existing in TSSPDCL.

4. Transparency in Recruitment : The whole Recruitment and selection process is carried out with utmost secrecy and confidentially so as to ensure that the principle of merit is scrupulously followed. A candidate shall be disqualified for appointment, if he/she himself/herself or through relations or friends or any others has canvassed or endeavored to enlist for his/her candidature, extraneous support, whether from official or non-official sources for appointment to this service.

5. **LOCAL AREA/NATIVITY:** The districts of Hyderabad, Ranga Reddy, Medak, Nalgonda, and Mahabubnagar will be regarded as Local area for the candidates of that particular district for this recruitment. Accordingly only candidates Local to the particular District are only eligible for the Local Vacancies (L) of the concerned District.

The Open to All vacancies indicated as 'O' in Details of Vacancies given above (20% of the posts) will be filled first from the combined merit list of local as well as non-local candidates and then the Local vacancies indicated as 'L' in Details of Vacancies given above (balance 80% of the posts) will be filled only by the merit list of Local candidates duly following the rule of reservation.

“LOCAL CANDIDATE” herein for direct recruitment of Sub-Engineer, shall be regarded as a local candidate in relation to that particular District only as such he/she may be local to any one of the districts of Mahabubnagar, Nalgonda, Medak, Rangareddy and Hyderabad on the following conditions:

(i) where he/she has studied in Educational Institution(s) for not less than four consecutive academic years prior to and including the year in which he/she appeared for S.S.C. or its equivalent examination. If however, he/she has not studied in any Educational Institution during the above four years period, it is enough if he/she has resided in that area which is claimed as his/her Local area during the above said period.

(ii) In case the candidate does not fall within the scope of the (i) above it will be considered if he/she has studied for a period of not less than seven years prior to and inclusive of the year in which he/she has

studied for the maximum period out of the said period of seven years AND where the period of his/her study in two or more Local areas are equal such Local area where he/she has studied last (in such Local area) will be taken for determining the Local candidature. Similarly, if he/she has not studied during the above said period in any Educational Institution(s) the place of residence during the above period will be taken into consideration and Local candidature determine with reference to the maximum period of residence or in the case of equal period where he/she has resided last.

(iii) If the claim of Local candidature is based on study, the candidate is required to produce a certificate from the Educational Institution(s) where he/she has studied during the said 4/7 year period .If, however, it is based on residence, a certificate should be obtained from an officer of the Revenue Department not below the rank of a Tahsildhar in independent charge of a Mandal

(iv) If, however, a candidate has resided in more than one Mandal during the relevant 4/7 years period but with in the same District or Zone as the case may, be separate certificates from the Tahsildhars exercising jurisdiction have to be obtained in respect of different areas.

(v) In cases where visually handicapped and hearing handicapped persons studied in the special schools meant for them, the native place of the parents of such visually handicapped and hearing handicapped persons will be the local area.

NOTE:

A. Single certificate, whether of study or Residence would suffice for enabling the candidate to apply as a "LOCAL CANDIDATE ".

B. Resident certificate will not be accepted, if a candidate has studied in any Educational Institution up to S.S.C or equivalent examination, such candidates have to produce study certificates invariably.

6. The 20% of Limited Recruitment vacancies kept OPEN are available for all candidates belonging to all the Ten Districts of Telangana State.

7. Employed : The Persons already in Government service /Power Utilities/ Autonomous bodies / Govt. Aided Institutions etc., whether in permanent or temporary capacity or as work charged employees are required to inform in

writing to the Head of Office / Department as the case may be and required to submit “No Objection” from the concerned Head of Office / Department to apply for this recruitment.

8. Caste & Community : The Community Certificate issued by the competent authority (obtained from the Government of Telangana) should be submitted at appropriate time in respect of SC & ST candidates. In respect of candidates belonging to Backward classes are required to produce Community Certificate (BC-A, BC-B, BC-C, BC-D & BC-E) from competent authority i.e., from Tahsildar in the State of Telangana not below the rank of Deputy Tahsildar. No person who professes a religion different from Hinduism shall be deemed a member of Scheduled Caste.

9. Reservations: The following percentages of reservations are applicable subject to the orders of the Government from time to time.

BC- 25% + 4% Reservation to BC-E will be subject to the adjudication of the litigation before the Hon'ble Courts including final orders in Civil Appeal No.(a) 2628-2637 of 2010 in SLP.No.7388-97 of 2010 dated 25.03.2010 and orders from the Government. The categories in BC`s as notified by the State Government from time to time.

SC- 15%,

ST- 6%,

PH- 3%

Women- 33 1/3 % reservation is applicable as per rules.

10. Creamy Layer : In terms of G.O.Ms.No.8, Backward Classes Welfare (OP) Department,dt.13.11.2014, Govt. of Telangana, as adopted by TSTRANSCO vide T.O.O.(CGM-HRD-Per) Ms.No.188,dt.22.09.2015 and subsequently adopted by TSSPDCL the candidates claiming to be belonging to Backward classes have to produce a certificate regarding their exclusion from the Creamy Layer from the Competent Authority (Tahsildar) as per the rules existing & amended from time to time. The Latest certificate excluding from the Creamy Layer has to be produced at an appropriate time. In case of failure to produce the same on the day of verification of certificates, the candidature will be treated as OC.

PARA-VI - SCHEME OF EXAMINATION :

The written test comprising of 100 marks consisting of 100 multiple choice questions and each question carrying 1 mark. The section A consisting of 80 questions on core technical subject and the section B consisting of 20

questions on General Knowledge, English Language Proficiency, Numerical Ability, Computer Awareness and Telangana Culture.

The duration of the written examination will be 2 hrs. (120 minutes).

Para- VII :- Details of Written Examination:

i) Syllabus: The syllabus for the written examination is placed as Annexure-I below.

ii) Hall Tickets: The hall tickets will be made available for download from the website, seven days prior to the date of written examination. Hall tickets will not be sent to the candidates by post.

iii) Date of examination: The written examination will be held in the month of March, 2016. However the exact date of Written Examination will be placed in the website and Hall Tickets can be downloaded from the website.

iv) Examination Centers: The written examination will be held at different centers located only in Hyderabad & Secunderabad. Address of Test Centre will be given in the Hall-Ticket.

v). Instructions to Candidates at the time of Written Examination:

1. The test is of two hours duration. The date and time will be indicated on the Hall ticket. Candidates should reach the test center in time. The candidates have to report 30 Minutes before the exam time at the examination venue. Candidates will not be allowed into the examination hall after the test has started and will not be permitted to leave examination hall before the closure of test time under any circumstances. The candidates shall appear for written examination at their own cost.

2. The test will be of objective type with multiple-choice questions with only one answer being correct among the four alternatives suggested.

3. A separate O M R (Optical mark Reader) answer sheet will be provided to the candidates. The candidate has to indicate his response to each question by darkening the appropriate bubble with a Black/Blue Ball Point pen. No corrections with white fluid will be permitted.

4. The candidate has to bring a good quality Black/Bule Ball Point pen to the examination hall.

5. The candidate has to handover the OMR Sheet to the invigilators in the examination centre and is however permitted to take away the question paper after the examination. If any candidate in violation of the above instructions takes away the OMR Sheet, his/her candidature to the recruitment will be rejected besides invocation of penal provisions including debarment of the candidature for all future recruitments to be conducted by the TSSPDCL.

6. The candidate has to follow meticulously all the instructions given on the question paper booklet and OMR Answer Sheet, else his answer sheet may not be valued.

7 Usage of Calculators/mathematical tables is not permitted. Candidates should not bring cell phones or any other electronic gadgets to the examination hall.

8. The provisional key will be placed on website.

9. If any objections on the provisional key, the same can be raised within 3 days from the date of placing of provisional key to email : cgm-hrd@tssouthernpower.com.

PARA-VIII : PROCEDURE FOR SELECTION:

i) The selection of candidates for appointment will be made 100% on Written examination only.

ii) Only those candidates who qualify in the written examination by being ranked high, community wise will be called for verification of Original Certificates.

(iii) The minimum qualifying marks in the written test for the above selection process shall be as follows:

OC - 40%

BC - 35%

SC/ST /PH- 30% Or as per Rules

Note: Mere securing minimum qualifying marks doesn't vest any right to a candidate for being called for verification of original certificates.

(iv) The selection list will be drawn into two parts. The first part will comprise 20% of the posts for OPEN consisting of common merit list which shall be filled first and the remaining second part will comprise the balance 80% of the posts consisting of Company level only and the posts will be filled following the existing rules given in the C.O.O.Jt.Secy(IR)Ms.No.611, dt.05.02.2009 and other rule of reservation issued from time to time.

Para-IX :- TERMS AND CONDITIONS OF SERVICE:

1. Scale of Pay: 20535-865-23130-1160-28930-1425-36055-1700-41155
2. Training cum Probation: The candidates appointed to the post shall be placed on Training-cum-Probation for a period of 2 years. During the period of Training-cum-Probation he/she will be paid pay in the above pay scale along with admissible allowances.
3. The candidate will be governed by the rules and regulations applicable or as framed by the TSSPDCL and as amended from time to time. The Tripartite Agreement entered into between the APSEB, Govt of Telangana and the Employees Associations is not applicable to these candidates and they shall at no stage be entitled to claim any right what so ever arising out of the said Tripartite Agreement.

Para- X :- EXECUTION OF BOND :

- (i) The candidates appointed will be required to execute a Bond (in Non-Judicial stamp paper worth Rs.110/- (Rupees One hundred and ten only) at the time of joining, to serve TSSPDCL for a MINIMUM period of 5 Years after completion of Training-cum-Probation period (2 years).
- (ii) During the above 2 year Training-cum-Probation and 5 year bond period the candidate will deposit his/her original certificates such as Diploma/Degree, Date of birth, Community, etc with TSSPDCL. The Certificates so deposited with TSSPDCL shall not be returned during the above 7 year period.
- (iii) The Candidate who leaves the TSSPDCL service during the Training-cum-Probation period shall refund the emoluments received by him/her plus Rs.30,000/- (Rupees Thirty thousand only) by way of liquidated damages.
- (iv) The Candidate who leaves the TSSPDCL service without serving a minimum period of 5 years after completion of Training-cum-Probation period shall have to pay a sum of Rs.60,000/- (Rupees Sixty Thousand Only) by way of liquidated damages.

PARA – XI : DEBARMENT:

1. Candidates should make sure of their eligibility to the post applied for and that the declaration made by them in the format of application regarding their eligibility is correct in all respects. Any candidate furnishing incorrect information or making false declaration regarding his/her eligibility at any stage or suppressing any information, is liable to be debarred from appearing any examinations conducted by the Telangana Power Utilities and summarily rejection of their candidature for this recruitment and future recruitments.

2. Any candidate is or has been found impersonating or procuring impersonation by any person or resorting to any other irregular or improper means in-connection-with his/her candidature for selection or obtaining support of candidature by any means, such a candidate may, in addition to rendering himself/herself liable to Criminal Prosecution, will also be liable to be debarred permanently from any exam or selection held by TSSPDCL and other TS Power Utilities.

PARA- XII: INSTRUCTIONS TO IN-SERVICE EMPLOYEES: The employees working in TSSPDCL in the cadre of Sub-Engineers and above are not eligible to apply. If found applied, they are liable for disciplinary action apart from prosecution.

PARA-XIII : TSSPDCL`s DECISION TO BE FINAL:

The decision of TSSPDCL in all aspects and all respects pertaining to the application and its acceptance or rejection as the case may be, conduct of examination and at all consequent stages culminating in the selection or otherwise of any candidate shall be final in all respects. TSSPDCL reserves its right to alter and modify time and conditions laid down in the notification for conducting the various stages up to selection, duly intimating details thereof to all concerned, as warranted by any unforeseen circumstances arising during the course of this process, or as deemed necessary by TSSPDCL at any stage.

CHIEF GENERAL MANAGER (HRD)

ANNEXURE-I

SYLLABUS FOR WRITTEN EXAMINATION –SUB-ENGINEERs(ELECTRICAL)-2016

Part-A (80 Questions)

UNIT 1: Basic Electrical Engineering

Ohms law and Kirchhoff's laws, Star/Delta transformation, Network theorems, Power and Energy, Heating effects of electric current, Magnetic effects, Electro-magnetic induction, Electrostatics. Batteries, Types of Electrical engineering materials – Conducting, Semi-conducting, Magnetic, Insulating, Di-electric materials – Properties and Uses.

UNIT II: D.C. Machines & Measurements

D.C. Generators: Construction, Operation, Types, EMF Equation, Windings, Characteristics, Efficiency and Parallel operation.

DC Motors: Principle of operation, Back EMF, Torque Equation, Types, Characteristics, Starters, Speed Control, Losses, Efficiency and Testing.

Measuring Instruments: Classification, Principle & Operation of Moving Coil, Moving Iron, Dynamometer type and Induction type meters. Instrument Transformers, Induction type Energy meter, M.D. Indicator, Tri Vector Meter, Power factor meter, Frequency meter, Measurement of Resistance, Transducers and Sensors – Types, Thermistor, Thermo-couple, Pressure Transducers and Strain gauges, Working of Cathode ray oscilloscope

UNIT III: A.C. Circuits and Transformers

A.C. Circuits: Fundamentals, Series and parallel R-L-C Circuits, Resonant circuits, Three-phase circuits, Measurement of power by two Wattmeters.

Transformers: Single-phase Transformer, Construction, Operation, Equivalent circuit, Regulation, Efficiency, Testing and parallel operation, Three-phase transformer, Auto-transformer

UNIT IV: A.C. Machines

Alternators: Construction, Operation, EMF equation, regulation, testing and parallel operation.

Synchronous Motors: Operation and performance, Effects of excitation, V - Curve and inverted V - Curve, Methods of starting and uses.

Three-Phase induction Motors: Construction, Principle of Operation, Torque Equation, Slip-torque characteristics, Losses & efficiency, Speed control, Starters, Double-cage motor.

Single-phase Motors: Types, Principle of operation, characteristics and applications of induction motors and commutator motors

UNIT V: Power System Generation & Protection

Generating Stations: Working components, Comparison of Thermal, Hydel, and Nuclear stations, Pollution control, Combined Working, Power Station auxiliaries, Characteristic Curves and Important definitions, Types of tariffs, Power factor correction and economy.

Power Systems Protection: Circuit Breakers - Types, Principles of operation and uses. Current Limiting reactors, Relays – Classification, Principle of Operation of Induction type over current relay, Directional and Non-directional relays, Differential relays and Distance relays, Protection of Alternations, Transformers, Bus-bars, Transmission lines, Lightning arrestors, Neutral grounding.

UNIT VI: Transmission and Distribution

Transmission: Types of supply systems, Transmission Line parameters, inductance and capacitance, performance of short and medium lines, regulation, Ferranti effect, Corona, Basic concepts of HVDC Transmission, Advantages and disadvantages of HVDC Transmission.

Components of lines, supports, conductor spacing, ground clearance and sag, insulators, voltage distribution across the string, string efficiency, methods of improving string efficiency, Earthing and layout of sub-stations.

Cables – Classification, insulation resistance, specifications,

Distribution – Radial and ring type distributions, variation of load voltage,

UNIT VII: Utilization and Electric Drives

Lighting: Laws of Illumination, Types of Lamps, Lighting Schemes for indoor, outdoor, street and factory.

Heating and Welding: Principles and application of different resistance heating, direct and indirect arc furnaces, core and core-less induction furnaces, dielectric heating, Welding generators & welding transformers.

Electric Traction: Systems of Train Electrification, Speed-time Curves for different services, Schedule speed, Tractive Effort, Specific Energy Consumption, Traction system auxiliaries, Traction motors.

Electric Drives: Different Types, nature of load, Rating of motors, Types of enclosures, Motors for different drives. Electric Braking - Dynamic braking and Counter-current braking of dc motors and 3-phase induction motors.

UNIT VIII: Electrical Estimation and Automation

Electrical Wiring: Tools, Wires, Types of wiring, Accessories, Lamp Circuits, Estimating and Costing of domestic, industrial power, irrigation pump sets, Rural electrification, departmental tests, earthing.

Automation: Basics of control system, Basic principles of Programmable Logic controller (PLC), Parts of PLC, Simple applications with PLC.

UNIT IX: Basic Electronics and Digital Electronics

Semi-Conductor Devices: N Type & P type, Zener diode, PNP and NPN Transistors, Transistor configurations, input and output characteristics, power supplies – half wave and full wave rectifiers. Filters, Zener diode, regulation, Special devices-UJT, FET, LED, SCR, Opto-Coupler, Photo diode, Photo Transistor.

Amplifiers: Types, Principles of operation, Characteristics RC coupled, Transformer coupled and Direct coupled amplifiers. Class A amplifiers, Push-pull amplifiers, Feed-back, Difference and Operational amplifiers
Oscillators and Electronic Testers, Function Generators, Industrial application of timers, Basics of IC's.

Digital Electronics: Different numbering systems, Inter Conversions, Boolean Algebra, Logic families, Performance of AND, OR, NOT, NOR, NAND gates, Combinational logic circuits, Sequential logic circuits, Registers and Memories, A/D and D/A converters.

UNIT X: Power Electronics and Micro Controller

Power Electronic Devices: Construction and working of SCR, GTO, DIAC, TRIAC, Volt-ampere characteristics, Triggng of SCR using UJT Protection.

Convertors: Types of Phase-controlled Convertors, Working of AC regulators and Choppers. Types & basic principle of working of Inverters and Cyclo-convertors.

Speed control: Speed control of D.C.Motors using convertors and choppers, Speed control of induction motor using AC Voltage regulators and V/f Control, Switched mode power supplies (SMPS), UPS.

Micro-Controllers: Architecture and Instruction set of 8051, Programming concepts, peripheral IC's – Function, features, Pin details and interfacing of 8255,8251, 8279, 8257, 8259, RS-232.

Part-B (20 Questions)

Sl. No	Particulars of the section	Weightage
1	Numerical Ability (Indices, Ratios, Proportions, Profit & Loss, Menstruation, Algebra, Geometry and Statistics)	20 Questions
2	Language proficiency (Vocabulary, Sentence corrections, Reading comprehension).	
3	Computer Awareness	
4	General Knowledge	
5	Socio-economic, Political and Cultural History of Telangana with special emphasis on Telangana Statehood	