



ઉત્તર ગુજરાત વીજ કંપની લીમિટેડ.

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વિદ્યુત સહાયક (જુનિયર ઇજનેર) - ઇલેક્ટ્રિકલ ઓનલાઈન પરીક્ષા

તા. ૨૫-૧૧-૨૦૧૮ અંતર્ગત- સિલેબસ જોગ

તાજેતરમાં ઉત્તર ગુજરાત વીજ કંપની લિમિટેડ દ્વારા યોજવામાં આવેલ “વિદ્યુત સહાયક (જુનિયર ઇજનેર) - ઇલેક્ટ્રિકલ”ની ઓનલાઈન પરીક્ષા તા. ૨૫-૧૧-૨૦૧૮ અનુસંધાને કેટલાક અરજદારો દ્વારા રજૂઆત કરવામાં આવેલ છે કે ઇલેક્ટ્રિકલ એન્જિનિયરીંગને લગતા અમુક પ્રશ્નો સિલેબસ બહારના પુછવામાં આવેલ છે અને તેના કારણે ઉમેદવારો ને અન્યાય થયાની લાગણી થયેલ છે. સદર રજૂઆતના અનુસંધાને જણાવવાનું કે કંપની દ્વારા પ્રસિદ્ધ કરવામાં આવેલ જાહેરાત ની શરત નં. ૧૩ - **“The tentative syllabus for the exam will be including but not limited to following topics/areas and emphasis could differ”** અન્વયે ધ્યાન દોરતા સ્પષ્ટતા કરવામાં આવે છે કે સદર સિલેબસ પરીક્ષા/પ્રશ્નપત્ર ની રૂપરેખા તથા તેને આનુસંગિક પૂર્વતૈયારી સબબ જાહેર કરવામાં આવતો હોય છે જે ધ્યાને લઈ પરીક્ષા આપનાર ઉમેદવારો પોતાની વિવેકબુદ્ધિ નો ઉપયોગ કરીને પરીક્ષાલક્ષી તમામ પાસાઓ ધ્યાને લઈ જરૂરી પૂર્વતૈયારી કરે તે ઇચ્છનીય છે.

વધુમાં, રજૂઆતકર્તા અરજદારોને જણાવવાનું કે સદર સિલેબસ પ્રમાણે ૯૧૪૪ ઉમેદવારો દ્વારા પરીક્ષા આપવામાં આવેલ છે અને સદર પરીક્ષા બે પાળી માં લેવાયેલ હોવાથી તેનું પરિણામ પણ નોર્મલઇઝેસન પદ્ધતિ અનુસરી જાહેર કરવામાં આવશે જેથી કોઈપણ ઉમેદવાર ને અન્યાય થવાની કોઈ શક્યતા રહેતી નથી. નોર્મલઇઝેસન પદ્ધતિ ની ગણતરી પ્રક્રિયા આ સાથે સામેલ છે. સદર પ્રક્રિયા અનુસર્યા બાદ પરીક્ષાનું ફાઇનલ પરિણામ કંપનીની વેબસાઇટ પર પ્રસિદ્ધ કરવામાં આવશે. ત્યારબાદ કંપનીના નિયમોનુસર નક્કી કરવામાં આવેલ મેરીટ ના ધારાધોરણો મુજબ ૪૫ માર્ક્સ (અનામત ઉમેદવારો) તથા ૫૦ માર્ક્સ (બિન અનામત ઉમેદવારો) કે તેના કરતાં વધુ માર્ક્સ મેળવી ને ઉત્તીર્ણ થનાર ઉમેદવારો ને સિલેકસન ની યાદી માં સમાવિષ્ટ કરવામાં આવશે અને સદર યાદીમાથી મેરીટ ના આધારે કંપની ના નીતિનિયમ તેમજ જરૂરિયાત પ્રમાણે ના ઉમેદવારો ની ભરતી કરવામાં આવશે.

આમ કંપની દ્વારા નક્કી કરવામાં આવેલ ધારધોરણો અનુસાર સંપૂર્ણ પારદર્શિતા સાથે ભરતી ની સમગ્ર પ્રક્રિયા અનુસરવામાં આવે છે.

વિશેષ મહા પ્રબંધક (મા.સં.)

## NORMALIZATION METHODOLOGY

**Sub:** Methodology for Normalization of scores (in case exam is conducted in multiple batches for one position)

Since the upcoming exam for the post of Vidyut Sahayak (Junior Engineer) – Electrical is scheduled to be held in multiple batches, it is recommended that the candidates' scores should be normalized before result declaration. The following method is suggested for the same:

### **Methodology:**

1. The average of scores of each batch is calculated first. The average of marks is calculated as mentioned below:

$$\bar{x} = \frac{\textit{Sum of marks of all candidates}}{\textit{Number of candidates in the batch}}$$

2. The batch with highest average is considered as **Base Batch**. All other batches will be normalized against this Base Batch.
3. The **Standard Deviation ( $\sigma$ )** of each batch is calculated. The formula to calculate the Standard Deviation is as mentioned below:

$$\sigma = \sqrt{\frac{\sum(x - \bar{x})^2}{N - 1}}$$

Where:

$\sigma$  = *Standard Deviation*

$x$  = *Score of candidate*

$\bar{x}$  = *Mean of Scores of the candidates in the batch*

$N$  = *Number of candidates in the batch*

4. Assuming that Batch 1 is to be normalized against Batch 2 (Base Batch), then the normalized score of candidate is calculated using the following formula:

$$X_n = \frac{S_2}{S_1} * (X - X_{avg}) + Y_{avg}$$

Where:

$S_1$  = *Standard Deviation for Batch 1*

$S_2$  = *Standard Deviation for Batch 2 (Base Batch)*

$X$  = *Score of candidate*

$X_{avg}$  = *Average Score of candidate's batch*

$Y_{avg}$  = *Average score of Base Batch*

$X_n$  = *Normalized Score of candidate*

The same formula can be used in case there are more than two batches for a Post.

5. The following candidates will be eligible for Merit List:
  - a. **Unreserved Category:** Candidates having Normalized score of more than or equal to 50
  - b. **Reserved category (OBC/SC/ST):** Candidates having Normalized score of more than or equal to 45

The following points will be handled during scheduling of candidates:

1. Batches will have nearly equal number of candidates scheduled
2. Equal distribution of candidates as per their categories

UGVCL is a Power Distribution Company of erstwhile Gujarat Electricity Board having Offices at different locations in Gujarat State. UGVCL offers a challenging and rewarding career to young and dynamic Engineering Graduates.

**APPLICATIONS ARE INVITED FOR THE POST OF VIDYUT SAHAYAK (JUNIOR ENGINEER - ELECTRICAL) UNDER UGVCL FROM THE ELIGIBLE CANDIDATES FROM GENERAL (UR), SC, ST, SEBC and PH CANDIDATES AS FOLLOWS:**

01	Job Title	VIDYUT SAHAYAK (JUNIOR ENGINEER - ELECTRICAL)
02	Fixed Remuneration	Fixed Remuneration Respectively per month. 1st Year       Rs. 37000/- 2nd Year       Rs. 39000/- - Remuneration may enhance as per GUVNL Circular issued time to time. - No other allowances or benefits would be admissible except coverage under Personal Accident Policy, Reimbursement of TA/DA as per GSO-333 dated 03.12.2003.
03	Scope of Career Development / Prospective	The selected candidate shall be appointed initially for the period of two years as Vidyut Sahayak (Junior Engineer- Electrical) and may be considered for appointment to the post of Junior Engineer Electrical on regular establishment, in the pay scale of Rs. 45400-101200/- subject to satisfactory completion of two years as Vidyut Sahayak.
04	Required skill	- The candidate should possess knowledge of Computer Operations. - Good command over English and Gujarati Language.
05	Qualification	- Full time/ Regular B.E. (Electrical)/ B.Tech (Electrical) from Recognized University duly approved by UGC/AICTE. There is no minimum percentage requirement.
06	Age Criteria	For Unreserved Category : 35 years and For Reserved Category: 40 years on the date of advertisement.

Relaxation in upper age limit to other categories shall be given as under	
Category	Relaxation
Female Candidate	05 Years
Person with Disability candidate	10 Years Suitable disability for the post: HH (Hearing Handicapped) and OL (One Leg) Physical Handicapped.
Dependent of Retired Employee of Erstwhile GEB &UGVCL	Up to age of 40 years (will be Considered only on submission of undertaking)
<ul style="list-style-type: none"> <li>Maximum age relaxation in upper age limit shall be considered up to the age of 45 years only.</li> <li>The above age criteria are as per the "Yuva Swavlamban Scheme" of Govt. of Gujarat.</li> </ul>	

**07. VACANCIES:**

At present, there are 34 vacancies; however, in future more vacancies are likely to occur till one year from announcement of result.

The Roster position for current vacancies is as below:

Cadre	Total	Roster wise vacancies are as under								
		SC		ST		SEBC		UR		PH
		M	F	M	F	M	F	M	F	
<b>Vidyut Sahayak (Junior Engineer-Electrical)</b>	<b>34</b>	<b>04</b>	<b>01</b>	<b>03</b>	<b>01</b>	<b>04</b>	<b>02</b>	<b>13</b>	<b>06</b>	<b>13</b>

(Expected vacancy during next one year: 39 )

- The stated vacancies with roster position are probable and the actual vacancies and roster position may vary. Actual vacancies and subsequent vacancies are subject to promotions, retirement, separation on any other account, sanction, abolition of post, compassionate appointments and 5% Internal Recruitment etc. No candidate shall claim a right based on the above stated vacancies roster position.
- State Government policy for reservation of women & Domicile shall be followed.

**08. Fees (Non-Refundable): (Only online payment will be accepted)**

<b>FEES (NON REFUNDABLE)</b>	<p><b>Rs.500.00 for UR &amp; SEBC candidate</b> <b>Rs.250.00 for ST &amp; SC candidates</b></p> <ul style="list-style-type: none"> <li>• If PWD (Persons with Disability) candidate belongs to SC or ST category and fulfills the criteria, fees payable shall be Rs.250/-</li> <li>• Candidate has to pay application fees On-line through Credit Card / Debit Card / Net Banking.</li> <li>• Bank charges shall be borne by candidate.</li> <li>• Application fee once paid shall not be refunded or shall not be adjusted in any subsequent Recruitment Process, under any circumstances.</li> <li>• No other mode of payment i.e., Demand Draft, Money Order, Postal Order, Cheque etc. is acceptable.</li> </ul>
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**09. IMPORTANT DATES:**

<b>Start Date and Time of Registration</b>	<b>21 / 07 / 2018, 10:30 AM</b>
<b>Last Date &amp; Time of Registration</b>	<b>10 / 08 / 2018, 11:59 PM</b>

## **GENERAL TERMS AND CONDITIONS:**

The Candidates are requested to carefully read the terms and conditions stated below:

01. Candidates are required to submit **ONLINE Application** only.
02. The candidates shortlisted for written test on basis of their “online applications” shall not be required to submit photocopies of all the relevant certificate at present. The photocopies of all the relevant certificate shall be submitted as and when required. Subsequently, the original certificates for verification as and when required.
03. The Management reserves the right to short-list, select and reject any candidates for Written Test as the case may be for selection.
04. The Management reserves the right to cancel the Selection List / Waiting List at any time at its sole discretion, without assigning any reasons thereof.
05. Filling up of the post is at the discretion of Management based on suitability of candidates. The management in all matters relating to eligibility, acceptance or rejection of the application made, shall be final and management will not entertain any enquiry or correspondence in this regard.
06. Hearing Handicapped (HH), and One Leg (OH) Physically Handicapped candidates can apply and shall have to submit valid Certificate of Civil Surgeon, indicating existing Percentage of disability. Their applications will be considered as per rules of the UGVCL. As per prevailing rules of the Company and Govt. of Gujarat, candidates having 40% and above disability shall be considered PH in categories stated above.
07. The candidates who have been given grades in their result (graduation/post-graduation) shall have to submit a certificate issued by their University/Institute specifying percentage equivalent to the grades obtained by them along with decimals.
08. The said vacancies are mainly for technical Works and other back office operations at Field Offices. The selected candidates shall be posted in field offices i.e. Sub Divisional Offices.
09. The candidates working in Government / Semi Government or PSU Organization shall have to produce “**NO OBJECTION CERTIFICATE**” from the concerned organization at the time of Written Test as the case may be, failing which, their candidature will be disqualified.
10. If the selected candidate working in any company or organization, he/she shall have to produce relieving letter from the previous employer at the time of resuming their duty, failing which, their appointment order shall stand cancelled.
11. Minimum 85% of representation in selection will be of local resident of Gujarat State as per GR dtd.31.03.95. Candidate shall have to submit the Domicile Certificate of being resident of Gujarat State if he/she claims appointment under 85% quota.
12. Mere submission of application does not guarantee the adequacy of candidature for being considered for the further selection process.
13. The tentative syllabus for the exam will be including but not limited to following topics/areas and emphasis could differ.

There will be five (5) sections in multiple choice question paper having approximate weightage for each section as under:

Section - I	General Knowledge	10%
Section - II	English Language	10%
Section - III	Electrical Engineering*	60%
Section - IV	Computer Knowledge	10%
Section - V	Gujarati Language & Grammar	10%

\* Note: Section-III Includes topic like:

- Switchgear & protection (MC/LV) & LT Switchgear design and testing etc.
- Distribution HT/LT Line parameters.
- Low Voltage constraint & resolving thereof.
- Non-conventional Energy sources like Wind, Solar, Biomass etc.
- Present Power Sector scenario in India and others Electrical Engineering topics etc.
- Performance of line fault analysis.
- Measurement of Electrical Power.
- Functions of capacitors & reactors.
- Power Engineering.
- Distribution Network Installation & load studies.
- Analysis of Dist. Transformers, Meters & Testing.

**“The Question Paper Will Be In English Language Only”**

14. The question paper for the exam shall be consisting of 100 questions and the paper shall be of 100 marks. There shall be negative marking system and 1/4<sup>th</sup> mark for each wrong answer shall be deducted to arrive at total marks scored.
15. In case of Written Test examination the evaluation of the OMR Sheets of the written test shall be evaluated on computer, as per entries made in OMR Sheets by the Candidates. As the evaluation done on the Computer by scanning thereby eliminating manual evaluation, rechecking or ‘inspection of OMR Sheets, subsequent to written test, will not be entertained by UGVCL.
16. As per GSO-3 the minimum eligibility cut off marks for selection will be 50 and above marks for unreserved candidates and 45 and above for reserved candidates. However, the selection will be made purely on the basis of merit considering available vacancies and reservation rules.
17. 5% marks (of secured marks in Exam) over and above actual marks secured shall be added in case of Widow Female Candidates. The widow female candidate, if remarried shall not be given advantage of grace of 5 % marks. Further, the widow candidate shall categorically state so and inform if she is remarried with necessary documentary proofs.
18. While preparing selection list, if two or more candidates found with equal marks in Exam, they will be kept in merit according to their date of birth i.e. elder will be kept in priority to younger and if the date of birth is also found same, then they will be kept in priority according to alphabet seniority of name. The Selection List as and when required as per the vacancy position shall be drawn from result published. The result published shall be valid for the period of one year from the date of publication.

19. In case of name or caste differ due to marriage or any other reason in educational certificates; then attach the copy of Gazette for transfer of name or caste, failing which, the candidature for the further process will be rejected.
20. Caste (Reserved Category) Certificate of Gujarat State only will be considered.
21. SEBC candidates who fulfill the qualification and age criteria shall have to submit valid Non-Creamy Layer Certificate issued (in Gujarati - પરિશિષ્ટ “ક”/ પરિશિષ્ટ-૪ (ગુજરાતી)) by the Competent Authority of Gujarat State.
22. No travelling fare will be paid to any candidates for attending the Written Test as the case may be.
23. The result of the test shall be published by UGVCL and shall be displayed on Company’s website. The Selection List as and when required as per the vacancy position shall be drawn from result published. The result published shall be valid for the period of one year from the date of publication.
24. Candidates are requested to apply only, if they are fulfilling requisite criteria. Since, we are not seeking all the documents at the time of application submission written test; candidate has to doubly ensure that he fulfills all the requisite criteria. All the documents of selected Candidates shall be verified at appropriate stage and if found not fulfilling any criteria, his candidature shall be cancelled immediately and his short listing in selection list shall not be a ground for claiming employment/ recruitment.
25. Candidates are requested to visit on [www.ugvcl.com/careers](http://www.ugvcl.com/careers) for regular updates regarding schedule of test and other relevant notifications.
26. The selected candidates shall be posted in field offices under the jurisdiction of UGVCL and shall be assigned work of technical and other Office/Field works. The candidate selected for the post, shall not be transferred from UGVCL to any other Subsidiary Company of GUVNL.
27. In case of selection, the candidates have to fulfill the requisite physical fitness standards as per company’s rules.
28. Any application, even under the R.T.I. Act, seeking any information, will not be entertained till the completion of the entire recruitment process.
29. Applicant is requested to complete all the tasks (i.e. “final submit and confirm application”) of online application process shall only be considered for further selection process. (TO BE DECIDED / CONSIDERED BY UGVCL ON THE BASIS OF PROVISION IN ONLINE PORTAL).
30. Candidates meeting the above criteria and interested may apply **COMPULSORILY ONLINE.**
31. Canvassing in any form shall debar the candidate from selection.

#### **Help Desk**

For any query, you may contact on our Help Desk No. **9687656844** which will be available **between 10 am to 6 pm on working days.** You may also send an E-mail for your query on [recruitment@ugvcl.com](mailto:recruitment@ugvcl.com)



## Documents to be produced as and when required by UGVCL

Application Format duly filled in with:

1. Online application form along with two recent passport size photographs should be affixed on the application form.
2. Attested copy of
  - ✓ School Leaving Certificate.
  - ✓ Mark sheets of final year of Graduation/or last two Semesters of Graduation Certificate issued by College/University.
  - ✓ Certificate from the institute/ university mentioning percentage marks obtained in case grading system is in place.
  - ✓ Degree Certificate, if available.
  - ✓ Caste (SC/ST/SEBC) Certificate/Disability Certificate (if applicable).
3. Valid Caste (Roster Category) Certificate of Reserved category of Gujarat State only will be considered.
4. In case of SEBC candidates, Valid Non Creamy Layer Certificate issued in Gujarati - પરિશિષ્ટ “ક”/ પરિશિષ્ટ -૪ (ગુજરાતી) by the Competent Authority of Gujarat State.
5. In case of Physically Handicapped Candidates, Valid Certificate of Civil Surgeon required. (showing % of Disability)
6. In case of Ex. Armed force Personnel, necessary certificate should be attached.
7. In case of Dependent of Retired Employee, Relieving Order or Certificate issued to the employee should be attached.
8. In case of Widow Applicant, copy of death certificate of the deceased husband should be attached.
9. NOC from present employer (If applicable).
10. Domicile certificate, if applicable.
11. Online payment receipt.
12. Identification Proof (Voter ID/ Pan Card/Aadhar Card/Driving License etc).
13. Residential Address Proof (Electricity Bill/Telephone Bill/Ration Card, etc).

**Note: - Whenever documents are called from the candidates, submission to be made by the candidates within stipulated time, failing which his/her candidature shall be cancelled for the post.**

**Addl. General Manager (HR)**