

## **Software Requirements Specification (SRS) to initiate request for**

- a) Issuance of new 'A' Class Electrical Contractor Licence**
- b) Issuance of new Certificate of Competency**
- c) Issuance of new wiremen permit**

**Prepared by – Sunil Bansal**

**Prepared for – Chief Engineer Inspector**

## 1. Purpose

The purpose of this Software Requirements Specification (SRS) is to define the requirements for the development of a comprehensive system to manage the application, renewal, upgradation, and duplicate document requests for electrical certifications and licenses issued by the Chief Electrical Inspector (CEI). The system aims to streamline the processes related to Certificate of Competency, Wireman Permit, and Class Electrical Contractor License.

### 1.2 Scope

The system will include user registration, application submission, renewal and upgradation processes, duplicate document requests, and an admin dashboard for application review. The focus is on providing a user-friendly and secure platform for CEI to manage certifications and licenses efficiently.

## 2. Functional Requirements

### 2.1 Certificate and Wireman Permit Functions

#### a. New Application

- Capture personal information, education, and relevant details.
- Attach necessary documents.

#### b. Renewal

- Provide an option for users to renew their existing certificates or permits.
- Capture personal information, education, and relevant details.
- Attach necessary documents.

#### c. Upgradation

- Allow users to upgrade their Certificate of Competency or Wireman Permit.
- Capture personal information, education, and relevant details.
- Attach necessary documents.

### 2.2 Electrical Contractor License Functions

#### a. New Application

- Capture personal information, education, and relevant details.
- Attach necessary documents.

#### **b. Renewal**

- Provide an option for license renewal.
- Capture personal information, education, and relevant details.
- Attach necessary documents.

#### **c. Upgradation**

- Allow for the upgrade of a Class Electrical Contractor License.
- Capture personal information, education, and relevant details.
- Attach necessary documents.

#### 2.3 Duplicate Document Request

- Capture personal information and reasons for requesting duplicate documents.
- Attach necessary documents.

### 1. Screen Details (Account Creation)

#### 3.1 Create Account for Permit/ Competency

First Applicant will create his/her account by entering the personal details:

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	REMARKS
1.	Applying for	Dropdown	M	Permit/Competency/Contractor license
2.	Name of applicant	Text/string	M	
3.	Mobile No	Numeric	M	
4.	Email id	Text/string	M	
5.	Fathers name	Text/string	M	
6.	Gender	Dropdown	M	Male, female

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	REMARKS
7.	Are you Indian	Check Box	M	
	Date of Birth	Calendar	M	<p>Person should not be less than 18 years or more than 65 years on the submission of application. A person cannot obtain a license if they are 65 years of age or older (display notification).</p> <p>If person is of 55 age to more than he shall submit the medical fitness certificate in ANNEXURE (Mandatory)</p>
8.	Age	Numeric	M	Auto calculate from D.O.B
Permanent Address				
9.	Address	Text/string	M	
10.	District	Dropdown	M	
11.	State	Dropdown	M	
12.	Pin code	Numeric	M	
13.	Address	Text/string	M	
<p align="center"><b>Address of Communication</b></p> <p align="center">Checkbox (if same as permanent address)</p> <p align="center">(On tick on checkbox same address will be filled as entered in Permanent address)</p>				
14.	Address		M	

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	REMARKS
15.	District	Dropdown	M	
16.	State	Dropdown	M	
17.	Pin code	Numeric	M	
18.	Enter Password	Alphanumeric with special Character		Should include Combination of Small/large/ Special Character Length - Min 8 character to Max 15
19.	Confirm Password	Alphanumeric with special Character	M	Should be same as "Enter Password"

On submit the details account will be created and user details will be sent on mail. **Username will be first four character of Name +Date of Birth DD/MM/YYYY. If Sunil enter in username and DOB is 15-12-1988. Then username will be SUNI15121988.**

### 3.2 Account Creation for Contractor

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
For contractor licence <Details are different>					
In case of Contractor					
1.	Name in which Electrical Contractor License is applied for	Text/string	M		
2.	Mobile No	Numeric	M		

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
3.	Email id	Text/string	M		
4.	Fathers name	Text/string	M		
5.	Gender	Dropdown	M		Male, female
6.	Are you Indian	Check Box	M		
7.	Date of Birth	Calendar	M		
8.	Age	Numeric	M		Auto calculate from D.O.B  he shall not be less than eighteen years or more than sixty-five years of age, on the date of submission of application to the Competent Authority;
<b>Permanent address</b> (If permanent address is other state then Proof of Address (Lease Agreement is required))					
9.	Address	Text/string	M		
10.	District	Dropdown	M		
11.	State	Dropdown	M		
12.	Pin code	Numeric	M		
<b>Business Address</b>  Checkbox (if same as permanent address)					

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
(On tick on checkbox same address will be filled as entered in Business address)					
13.	Address	Text/string	M		
14.	District	Dropdown	M		
15.	State	Dropdown	M		Should be Haryana Only
16.	Pin code	Numeric	M		
17.	Enter Password	Alphanumeric with special Character			Should include Combination of Small/large/ Special Character Length - Min 8 character to Max 15
18.	Confirm Password	Alphanumeric with special Character	M		Should be same as "Enter Password"
<p>On submit the details account will be created and user details will be sent on mail. <b>Username will be first four character of Name +Date of Birth DD/MM/YYYY. If Sunil enter in username and DOB is 15-12-1988. Then username will be SUNI15121988.</b></p>					

## 2. Request Submission for Permit/Competency

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
<b>APPLICATION FOR CERTIFICATE OF COMPETENCY/ WIREMAN PERMIT/COMPETENCY</b>					
Application for <Type>					
<On login Profile Will be displayed where user can edit the filled Info except DOB and Name)					
<b>1. Education and technical qualification (For supervisor)</b>					
<User can add multiple Qualifications but Metric / Diploma or Degree is mandatory)					
1.1	Qualification	Dropdown	M		<ul style="list-style-type: none"> <li>- Matriculation</li> <li>- Secondary education</li> <li>- Diploma</li> <li>- Certificate</li> <li>- ITI</li> <li>- Degree</li> <li>- Post-graduation</li> </ul>
1.2	Field	Dropdown	M		<p>(In case of certificate and ITI) - -Text Box</p> <p>(In case of Diploma/Degree) – 1) Electrical Engineering 2) Electrical and electronics engineering</p> <p>(In case of secondary education) --Text box</p> <p>(In case of Post-graduation) --Textbox would be available</p>
1.3	Name of Board/ University	Text/string	M		
1.4	Years of passing	Drop Down	M		
1.5	Marks obtained	Numeric	M		



Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
1.6	Max marks	Numeric	M		Max Marks should be equal or greater
1.7	Percentage	Auto calculate	M		
<b>2. Education and technical qualification (For wireman)</b>					
<b>User can add multiple Qualifications but Metric / ITI(Certificate) or Diploma is mandatory)</b>					
2.1	Qualification	Dropdown	M		<ul style="list-style-type: none"> <li>- Matriculation</li> <li>- Diploma</li> <li>- Certificate (ITI)</li> <li>- Secondary education</li> <li>- Degree</li> <li>- Post-graduation</li> </ul>
2.2	Field	Dropdown	M		<p><b>(In case of certificate ITI) ---</b>  Lineman/ Wireman/ Electrician/  <b>(In case of Diploma) ---</b>  1)Electrical Engineering  2) Electrical and electronics engineering  <b>(In case of secondary education) -- --Text box</b></p> <p><b>(in case of Post-graduation)</b>  a) Textbox would be available</p>
2.3	Name of Board/ University	Text/string	M		
2.4	Years of passing	Drop down	M		
2.5	Marks obtained	Numeric	M		
2.6	Max marks	Numeric	M		
2.7	Percentage	Auto calculate	M		
<b>3. Details of experience (Supervisor)</b> (Experiences could be multiple)					

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
3.1	Experienced in	Dropdown Multiple selection	M		(In case of degree/diploma)  1) Erection 2) Operation 3) Maintenance of electrical installation
3.2	Training Under	Drop Down	O		1) (Training under) A class licensed electrical contractor 2) (Training under) Central government 3) (Training under) State government 4) (Training under) Semi government department/organisation
3.2	Name of employer	Text/string	M		
3.3	Description of the post held by the applicant	Text/string	M		
3.4	From Date	Calendar	M		
3.5	To Date	Calendar	M		
3.6	Total experience	Auto calculate (FROM – TO)	M		<p><b>On the calculation base on the FROM – TO</b></p> <p><b>IN CASE OF DEGREE</b> &lt;user should have at least <b>1 year of experience</b> in the same field, after passing degree or diploma&gt;</p> <p><b>IN CASE OF DIPLOMA</b> &lt; user should have at least 5 years of experience in the same field, after passing diploma&gt;</p> <p>(If their total work experience doesn't meet the criteria, then</p>

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
					they should not be able to apply for the license)
<b>4. Details of experience (Wireman)</b> (Experiences could be multiple)					
4.1	Experienced in	Checkbox	M		(In case of certificate, ITI, Diploma)  1) Electrical wiring and other installation work
4.2	Training under	Dropdown	O		((In case of certificate, ITI, Diploma) 1. (Training under) A class licensed electrical contractor 2. (Training under) Central government 3. (Training under) State government 4. (Training under) Semi government department/organisation
4.3	Name of employer	Text/string	M		
4.4	Description of the post held by the applicant	Text/string	M		
4.5	From	Calendar	M		
4.6	To	Calendar	M		
4.7	Total experience	Auto calculate (FROM – TO)	M		<b>On the calculation base on the FROM – TO</b> <b>(In case of certificate or ITI in)</b>  1) Lineman 2) Wireman 3) Electrician  <user should have at least <b>THREE YEARS of experience</b> after passing certificate or ITI. If

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
					<p>their total work experience doesn't meet the criteria, then they should not be able to apply for the license&gt;</p> <p><b>(In case of Diploma in)</b>            1)Electrical Engineering            2)Electrical and electronics engineering</p> <p>&lt;user should have at least <b>ONE year of experience</b> after passing diploma. If their total work experience doesn't meet the criteria, then they should not be able to apply for the license.&gt;</p>
5	Are you a retired engineer	Boolean	M		<p><b>(Yes/No)</b>            In case of yes, file attachment is mandate else not.</p>
6	Whether you are holder of certificate of competency/wireman permit issued by any state licensing board/chief electrical inspector	Boolean	M		<p>Yes/no ( if yes, below fields will open)</p>
6.1	Permit number	Text/string	M		<p>On Entering the permit number System will match the same license number in Database and Auto populate the details of 6.1 to 6.5</p>
6.2	Category	Text/string	M		
6.3	Issuing authority	Text/string	M		
6.4	Date of issuing	Calendar	M		
6.5	Date of expiry	Calendar	M		
<p align="center"><b>Are you employed on permanent basis?</b></p>					

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
(Multiple employer details could be added)					
7.1	Are you employed on permanent basis?	Boolean	M		Yes/no(if yes) below fields will open
7.2	Name of employer	Text/string	M		
7.3	Description of the post held by the applicant	Text/string	M		
7.4	From	Calendar	M		
7.5	To	Calendar	M		
8	Declaration	Checkbox	M		I hereby declare that the particulars stated above are correct to the best of my knowledge. I am not a holder of Supervisor Competency Certificate issued by the State Licensing Board/Chief Electrical Inspector other than those indicated in the Column 10. I also agree to the cancellation of my Certificate of Competency to be issued in pursuance of this application, in case the particulars furnished in the application are found incorrect or false at any stage.

## Documents Required

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
<b>DOCUMENTS REQUIRED (APPLICATION FOR GRANT OF CERTIFICATE OF COMPETENCY/ WIREMAN PERMIT)</b>					
1)	Matriculation Certificate indicating date of birth	Pdf upload	M		
2)	Residence Proof	Pdf upload	M		
3)	Identity Proof	Pdf upload	M		
4)	Photograph	Pdf upload	M		
5)	Degree/ Diploma in Electrical Engineering/ Electrical and Electronic Engineering or its equivalent	Pdf upload	M		
6)	Experience Certificate	Pdf upload	M		
7)	specimen signature of the applicant	Pdf upload	M		
8)	Medical fitness certificate from Government/Government approved hospital	Download + Pdf upload	M		<, in case he is above 55 years of age on the date of submission of application> ( Download medical fitness certificate)

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	SIZE LIMIT	REMARKS
9)	Copy of retirement orders	Pdf upload	M		<in case of retired engineers>

### 3. Application for Contractor

#### Request for Contractor

#### APPLICATION FOR GRANT OF "A" CLASS ELECTRICAL CONTRACTOR LICENSE

*NOTE: (This license will be issued initially for a period of one year and remain valid for a period not exceeding five years)*

**Initially LT (Upto 650 Voltage) license is provided.**

**Profile of Contractor will be displayed which will be editable accept DOB and Name**

1)	GST number	Text/string	M		Haryana GST number will be entered. Check will be maintained.
2)	Style of the Company	Dropdown	M		1) Proprietary concern 2) Company (Limited) 3) Firm (registered under the company's act. 4. Partnership Firm (As per selection, below field will display)
3)	Whether the company has a registered office in Haryana/UT Chandigarh/NCT Delhi	Check box Tick Mark	M		
4)	Whether have any partners/directors of firm	Boolean	M		Yes/No ( if yes, below fields will be open)
Partners/Directors could be multiple					
5.1	Type of Authority				Partner/ Director

5.2	Full name <Partner/Director >	Text/string	M		
5.3	Address of (partner/director)	Text/string	M		
Same Address component will be displayed including District State and pin code					
6	Full name of Agent/ Manager	Text/string	M		
7	Whether the applicant is a manufacturing firm or production unit	Boolean	M		Yes/No
8	Whether a contractor license has been previously granted in the same name?	Radio	M		Yes/No (if yes, text field will be open)  In case of Yes Copy of License attach in PDF
8.1	Enter Licence number	Aphanumeric	Conditional		Only in case of "Yes" in Sr no 8
8.2	Issue Date	Date	Conditional		Only in case of "Yes" in Sr no 8
11	Whether a contractor license has been previously granted in the same name from any other state?	Boolean	M		Yes/No ( if yes, below fields will be open)
11.1)	Name of issuing authority	Text/String	C		
11.2)	Date of issue	Calendar	C		
11.3)	Date of expiry of license	Calendar	C		Should be greater than Expiry Date



11.4)	Details of works permitted to be undertaken	Pdf upload	O		ATTACH WORK ORDER IS MANDATE
NOTE : (STAFF COULD BE MULTIPLE) (One Wiremen and One Supervisor is Mandatory)					
12.1	Type of employee associated	Drop down	M		Wiremen/ Supervisor
12.2	License no	Alphanumeric	M		
12.3	Issue Date	Fetches	C		
12.4	Validity	Fetches	C		
12.5	Qualification	Auto	C		
13	Whether the library/library as per ANNEXURE – 2 is available?  <Annexure 2 Link to download>	Boolean + pdf	M		Yes/No ( If yes, attach proof for same)  <b><i>It should be yes otherwise not proceed</i></b>
14	Is the company/firm subject to any penalties or punishments?				Yes/No (if, yes multiselect field will be open) –
14.1)	Select	Multiselect	M		a) By state licensing board, Haryana/Chief Electrical inspector, Haryana b) By government & other agencies c) Any court of law.
	Declaration	Checkbox	M		.

### Documents Required

Sr. No.	FIELD NAME	TYPE OF FIELD	Mandatory / Optional / Conditional / Default	REMARKS
1)	Last Three Year Income tax returns and balance sheet	Pdf upload	M	
2)	PAN CARD	Pdf upload	M	
3)	Aadhaar No	Pdf upload	M	
4)	Age certificate	Pdf upload	M	
5)	Calibration Certificate from NABL or Government testing laboratory in respect of electrical equipment's	Pdf upload	M	
6)	Copy of Annexure 3 & 5		M	Attach Sample
8)	Attach documents to prove the status of the firm/company	Pdf upload	M	
9)	Major works carried out in Haryana ( Include details of installations, scheme approval obtained from electrical inspectorate.etc	Pdf upload	M	