

Qualification File

Revised Application Documentation: Version 3 Final /4 March, 2015

QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Directorate General of Employment & Training (DGE&T)
Government of India, Ministry of Labour & Employment
Shram Shakti Bhavan, Rafi Marg
New Delhi-110001

NSDA Reference

To be added by NSDA

Name and contact details of individual dealing with the submission

Name:	Shri. Deepankar Mallick
Position in the organisation	Deputy Director General (T)
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List of documents submitted in support of the Qualifications File

1. Curriculum for the trade (Annexure 1)
2. Competency-based curriculum (Annexure 2)
3. Assessment outcomes and assessment criteria (Annexure 3)
4. Advertisements from organizations calling for employment. (Annexure 4)

QUALIFICATION FILE SECTION 1

SUMMARY

Qualification Type	National Trade Certificate (NTC)																															
Qualification Title	Electrician																															
Classification code	Blank																															
Body/bodies which will assess candidates	National Council for Vocational Training (NCVT)																															
Body/bodies which will award the certificate for the qualification	National Council for Vocational Training (NCVT)																															
Body which will accredit providers to offer the qualification	National Council for Vocational Training (NCVT)																															
Legal and/or other basis of the qualification	NCO/ NOS/ Industry consultation NCO 2004: 7137.10 (851.10) NCO 2004: 7241.20 (851.30)																															
Occupation(s) to which the qualification gives access	<p>The qualification provides access to occupations involving installation, maintenance and repair of the following electrical/electronic facilities and systems:</p> <ul style="list-style-type: none"> • Industrial electrical utilization devices • Domestic, commercial and industrial wiring systems • Power supply units • Electrical power stations • Home appliances 																															
Proposed level of the qualification in the NSQF.	Level 4																															
Notional Learning Hours	<p>Training is covered in 04 semesters, each with 26 weeks of duration. Time distribution amongst the components/ subjects is as under:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Components/Subjects</th> <th style="text-align: center;">Notional Hours /Semester</th> <th style="text-align: center;">Total Hours</th> </tr> </thead> <tbody> <tr> <td>Trade Practical</td> <td style="text-align: center;">545</td> <td style="text-align: center;">2200</td> </tr> <tr> <td>Trade Theory</td> <td style="text-align: center;">135</td> <td style="text-align: center;">540</td> </tr> <tr> <td>Workshop Calculation & Science.</td> <td style="text-align: center;">50</td> <td style="text-align: center;">200</td> </tr> <tr> <td>Engineering Drawing</td> <td style="text-align: center;">60</td> <td style="text-align: center;">240</td> </tr> <tr> <td>Employability Skills (For 1st and 2nd Sem)</td> <td style="text-align: center;">55</td> <td style="text-align: center;">110</td> </tr> <tr> <td>Industrial Training/ Project Work (Except 1st Sem)</td> <td style="text-align: center;">80</td> <td style="text-align: center;">240</td> </tr> <tr> <td>Library and Co-curricular activities</td> <td style="text-align: center;">40</td> <td style="text-align: center;">160</td> </tr> <tr> <td>Assessment and Examination</td> <td style="text-align: center;">40</td> <td style="text-align: center;">160</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: center;">~1000</td> <td style="text-align: center;">~3850</td> </tr> </tbody> </table> <p><i>Note: Total notional hours is not exact multiple of a number of semesters</i></p>		Components/Subjects	Notional Hours /Semester	Total Hours	Trade Practical	545	2200	Trade Theory	135	540	Workshop Calculation & Science.	50	200	Engineering Drawing	60	240	Employability Skills (For 1 st and 2 nd Sem)	55	110	Industrial Training/ Project Work (Except 1 st Sem)	80	240	Library and Co-curricular activities	40	160	Assessment and Examination	40	160	Total	~1000	~3850
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Entry requirements/ recommendations.	Passed 10 th class in 10+2 system with Maths and Science.																															
Progression from the qualification.	<ol style="list-style-type: none"> 1. Qualifying trainee shall obtain an NCVT Certificate in Electrician trade which places the trainee in a position to investigate requirements for progression to a National Apprenticeship Certificate or National Craft Instructor Certificate or Diploma in Electrical Engineering, as permitted by State Boards of Technical Education or any other qualification at NSQF level 5 as decided by NSQC. 2. The State of Gujarat has already declared that those who complete two year ITI course after passing 10th Standard and having passed NCVT and English as a subject would 																															

	<p>be treated at par with Gujarat Secondary Education Board's 12th Standard and could opt for higher courses.</p> <p>3. The matter of granting the ITI qualification equivalence to 12th Standard has been taken up with the Ministry of Human Resources, and an Expert Group has been formed in this regard to take the example of the Gujarat State to the National level.</p> <p>4. This qualification shall enable the trainee to find employment as a skilled worker.</p>		
Planned arrangements for RPL.	<p>1. At present the students who have passed 10th class with minimum 3 years experience can appear for NCVT theory and practical semester examination directly.</p> <p>2. The students who have passed SCVT examination can also appear for the NCVT Examination in the relevant semester and Trade directly.</p>		
International comparability where known.	<p>1. Existence of any official document suggesting the comparability of the qualification with the qualifications in other countries is not known.</p> <p>2. However, ITI passed out trainees are getting employment in many Gulf countries, European countries, Australia, New Zealand, Singapore etc.</p>		
Formal structure of the qualification			
Title of unit or other component: Electrician	Mandatory/Optional	Estimated size (learning hours)	Level
Trade theory	Mandatory	540	4
Trade practical	Mandatory	2200	4
Engineering Drawing	Mandatory	240	4
Workshop Science and calculation	Mandatory	200	4
Employability skills	Mandatory	110	4
Industrial Training/ Project Work (Except 1 st Sem)	Mandatory	240	-
Library and Co-curricular activities	Mandatory	160	-

Please attach any document giving further detail about the structure of the qualification – e.g., a Curriculum or Qualification Pack.

Give details of the document here:

Curriculum for the trade attached. (Annexure 1)

Competency-based curriculum (Annexure 2)

QUALIFICATION FILE SECTION 2 ASSESSMENT

Name of assessment body:

National Council for Vocational Training (NCVT)

If there will be more than one assessment body for this qualification, give details.

Not applicable.

Criteria for selection of Assessment body:

Not Applicable.

Will the assessment body be responsible for all assessments and for all candidates?

Yes, NCVT itself conducts Examinations with the help of State Governments.

Explain how assessment for the qualification will be carried out and quality assured to achieve consistency.

(1) Assessment process:

The assessment for the semester-based qualification is carried out by conducting formative assessments, and end-of-semester examinations. The internal assessments for theory subjects and practical are conducted by the concerned instructors for evaluating the knowledge and skill acquired by trainees and the behavioural transformation of the trainees. This assessment is primarily carried out by collecting evidence of competence gained by the trainees by observing them at work, asking questions and initiating formative discussions to assess understanding and by evaluating records and reports, and sessional marks are awarded to them. Theory examinations are conducted in Trade theory, Workshop Calculation & Science, Engineering Drawing and Employability Skills. The question papers for the theory Examinations contain objective type questions. Trade practical examinations are conducted by the respective State Governments. However, the question papers for the Trade practical are prepared by NCVT.

The marking pattern and distribution of marks for the qualification are as under:

Subjects for the Qualification	Maximum Marks for		
	End-of-semester Examination	Formative assessment	Total
Practical	270	30	300
Trade Theory	150	20	170
Employability skills	50	-	50
Workshop calculation	75	10	85
Engineering Drawing	75	20	95
Total	620	80	700

(2) Minimum pass mark:

40% for each Theory Examination and 25% for each part/section of the Examination separately, and 60% marks for each Trade practical Examination. Failed candidates are entitled to three chances to clear the paper.

(3) Testing and certifications for the course:

- OMR sheet based question paper.
- Questions papers are prepared by National Instructional Media Institute (NIMI), Chennai.
- A panel of expert paper setters, who are graduates in the concerned field with 5-7 years experience, is prepared for setting question papers for the Trade. The panel is vetted by the Secretary, NCVT.
- Paper setters are appointed from the panel after the approval of the competent authority for setting the question paper.
- The question papers are then moderated by the Board of Moderation to see if the paper is set as per the requirement and syllabus.

- The manuscripts of the moderated question papers are sent to Government Printing Presses for printing.
- Printed question papers, packed in sealed covers, are despatched to Banks/Police Stations for keeping in safe custody.
- The question papers are handed over to the Chairman/Principal of the Testing Centre two hours before the commencement of the Examination.
- An Examination Board consisting of representatives of industry/Employer/State Government are set up to supervise and monitor the conduct of Examinations at every Centre.
- Theory and practical Examinations are carried out with invigilators/examiners with the overall supervision of the Examination Board.
- Examiners called for evaluation of practical should have minimum technical qualification of a Diploma in the respective engineering field. However, when diploma holders not available, the qualification is suitably relaxed.
- Examiners for practical Examinations are appointed preferably from Polytechnics/Engineering colleges/Industry of repute. Government Departments or from amongst retired qualified personnel possessing requisite qualifications and sufficient experience in the trade/discipline.
- Each State Directorate prepares a panel of Examiners according to the norms as mentioned above and the Examiners are appointed from the panel.
- Flying squads from State Governments as well as the Central Government are constituted to check malpractices during the conduct of Examinations.
- OMR based answer sheets are evaluated by the third party evaluator National Institute of Electronics & Information Technology (NIELIT).
- Evaluation of every practical examination is carried out by the concerned examiner with the overall supervision of the Examination Board.
- Till 2014, the marks were compiled by the State Governments as per NCVT guidelines and the results were declared by the State Governments. At present, the marks are compiled by NCVT and the results are declared by the State Governments. Now onwards, results shall be compiled by NCVT on its portal ncvtmis.gov.in
- The successful trainees are awarded National Trade Certificates.

Will the assessment body be responsible for RPL assessment?

Give details of how RPL assessment for the qualification will be carried out and quality assured.

- At present the students who have passed 10th class with minimum 3 years experience can appear for NCVT theory and practical semester examination directly.
- The students who have passed SCVT examination can also appear for the NCVT Examination in the relevant semester and Trade directly.

ASSESSMENT POLICY

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:

Overall assessment strategy:

Assessment of the qualification during the implementation of the qualification provides an opportunity for trainees to show that they can integrate knowledge, skills and values for carrying out relevant tasks. The trainees may choose the preferred language for assessment. The underlying principles of assessment are fairness and transparency. Assessor is directed to give due weightage to quality, efficiency, and maintain consistency. The evidence of the competence acquired by the trainees can be obtained by conducting theory and practical examinations, observing the trainees at work, asking questions and initiating formative discussions to assess understanding and evaluating records and reports. The ultimate objective of the assessment is to supply industry-ready manpower.

Specific Arrangements for assessment:

- Assessment is outcome-based.
- There are formative and summative assessments in Theory and Practical.
- Assessment is carried out in Trade theory, Trade Practical, Workshop Calculation and Science, Engineering Drawing and Employability Skills.
- While Trade Theory and Trade Practical are used for assessing Trade-related jobs, Workshop Calculation and Science is used to test trainee's numerical skills, Drawing is used to test the

ability of the trainee to draw and read sketches and Employability skills is used to test the communication, professional language, leadership, entrepreneurship and team-work abilities of the trainee.

- In addition to demonstration of theory and practical knowledge, trainees get a chance to present total personality.

Quality assurance activities:

- Question papers are set by external paper setters
- Evaluation of Theory Examinations is done by third-part agency.
- Trade Practical is examined by External Examiner.

Detail any particular arrangements relating to candidates with disabilities or other special needs:

Disability persons are allowed to use SCRIBE.

Detail any particular assessment policy or arrangements which have been put in place relating to the validation of prior learning:

1. At present the students who have passed 10th class with minimum 3 years experience can appear for NCVT theory and practical semester examination directly.
2. The students who have passed SCVT examination can also appear for the NCVT theory and practical Examination in the relevant semester and Trade directly, as Private candidates

Please attach any documents giving further information about assessment and/or RPL.

Give details of the document(s) here: Nil

Electrician/Unit/Component: Details are attached. (Annexure 3)

Assessable outcomes	Assessment criteria for the outcome
Means of assessment 1	
Pass/Fail	

**QUALIFICATION FILE SECTION 3
EVIDENCE OF NEED**

What evidence is there that the qualification is needed?

DGET has 60 years of experience in the field of vocational education. With valuable feedbacks from industries, mid-term evaluation studies, and tracer studies as conducted by Central Staff Training and Research Institute (CSTAR) under DGE&T and other bodies, the need for the qualification has been realized.

Evaluation studies of 'Upgradation of 1396 ITIs in PPP mode' and upgradation of ITIs under World Bank schemes have mentioned about high employment potential of this trade.

The trade forms a part of the Recruitment Rules of major Employers. (Pl. See Annexure 4)

What is the estimated uptake of this qualification and what is the basis of this estimate?

There is the maximum demand for the qualification. The employment prospect for this qualification is also very high. There is high demand for starting the training programme on this trade amongst new institutes. As of now, the total seating capacity of the training programme is about 06 Lakhs. The number of applicants admitted and the number of candidates applied for the seats for the Electrician Trade in Government ITIs in the states of Karnataka, Uttarakhand, Maharashtra and Uttar Pradesh are as follows:

State	No. of seats sanctioned	No. of candidates applied
Karnataka	2287	17999
Uttarakhand	720	8640
Maharashtra	14868	241466
Uttar Pradesh	1680	494767

What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?

The qualification is originally designed and approved by NCVT for the Craftsmen Training Scheme and is in existence for the last 60 years. NCVT has been entrusted with the responsibilities of prescribing standards and curricula for craftsmen training, advising the Government of India on the overall policy and programmes, conducting All India Trade Tests and awarding National Trade Certificates.

In the research and/or development, what steps were taken to identify potential barriers to access (eg related to education, race, caste, religion, gender or disability) and eliminate or overcome these?

There is no barrier imposed in taking up this training programme on the basis of race, caste, religion, gender or disability, except for the visually-impaired.

Has the qualification been through a formal approval procedure(s)?

(If so, explain the process and the outcome.)

1. The qualification was prepared by a core group having experts from Industry, DGET institutes, and ITIs.
2. It was approved by Mentor Council having representatives from Industry, Academic institutions and skill experts.
3. The qualification has been approved by the sub-committee of NCVT dealing with norms and courses.

What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

- In a recent initiative, a Mentor Council (MC) for the Power sector has been formed to review the curriculum of this qualification under the sector.
- CSTAR, the research wing of DGE&T, reviews and updates the qualification, in consultation with industries and other stakeholders, on a regular basis.
- NOS approved by NSDA will also be referred to from time to time.

What arrangements are in place to inform people about the qualification(s) and the advantages it offers?

- Central and State Governments & Private institutions issue notifications for admission to the qualification in print & e-media from time to time.
- State, Regional & National level skill competitions are organized on a regular basis to promote the qualification.
- Recently, under a new initiative, a 12 episode TV serial entitled as 'Hunnarbaaz' has been telecast on National Channel & the same is available in YouTube.

Please attach any documents giving further information about any of the topics above. Give details of the document(s) here: Advertisements calling for employment. (Annexure 4)

**QUALIFICATION FILE SECTION 4
SUMMARY EVIDENCE OF LEVEL**

Level of qualification:

NSQF Level 4

Summary of Direct Evidence (from learning outcomes):

The evidence of the competence obtained by:

- Conducting theory examinations,
- Conducting practical examinations,
- observing the trainees at work,
- asking questions and initiating formative discussions to assess understanding, and
- evaluating records and reports.

Summary of other evidence (if used): Nil

QUALIFICATION FILE SECTION 4, EVIDENCE OF LEVEL (Continued)

LEVELLING SCORECARD

Assessed outcome	Comment	Level-3	Level-4	Level-5
1. Recognize & comply safe working practices, environment regulation and housekeeping.	Trainees will acquire knowledge of the safe working practices, environment regulation and housekeeping and will be responsible for implementation in own work.		✓	
2. Work in a team, understand and practice soft skills, technical English to communicate with required clarity.	Trainee will acquire the knowledge of languages and will be able to communicate written or oral with required clarity and practice in day to day work.		✓	
3. Demonstrate knowledge of concept and principles of basic arithmetic, algebraic, trigonometric, and statistics and apply knowledge of specific area to perform practical operations.	Trainee will be able to do basic mathematical calculations viz., arithmetic, algebraic, trigonometric and statistical and apply in practical applications.		✓	
4. Understand and explain basic science in the field of study including basic electrical, and hydraulics & pneumatics.	Trainees will have understanding of factual knowledge on basic science in the related field and apply in day to day work.		✓	
5. Read and apply engineering drawing for different application in the field of work.	Trainees will gain factual knowledge of engineering drawing and apply in different application.	✓		
6. Make electrical wire joints for single and multistrand conductors. Carry out soldering and termination.	Trainees will able to prepare electrical joints and demonstrate practical skills by using appropriate tools with quality concepts and proper safety without help.		✓	
7. Draw and set up DC and AC circuits including R-L-C circuits with accurate measurement of voltage, current, resistance, power, power factor and energy using ammeter, voltmeter, ohm-meter, watt-meter, energy meter, power factor meter and phase sequence tester with proper care and safety.	1) The trainee will demonstrate the skill of proper connection of the circuits & taking readings. 2) The trainee will able to communicate with clarity. 3) The trainee will be responsible for own work & learning.		✓	
8. Make choices to carry out basic jobs of marking out the components for filing, drilling, riveting, fitting and assembled using different components independently.	Trainee will use various competencies and tools in different fields to assemble the objects with specified quality independently.	✓		

9.	Identify the type of batteries, construction, working and application of Ni-cadmium, lithium cell, lead acid cell etc. Demonstrate their charging and discharging, choosing appropriate method and carryout the installation and routine maintenance with due care and safety.	<ol style="list-style-type: none"> 1) The trainee will demonstrate the skill and explain knowledge of charging & discharging batteries. 2) The trainee will able to communicate with clarity & have the basic understanding of social & natural environment. 3) The trainee will be done the work independently. 		✓	
10.	<ol style="list-style-type: none"> a) Assemble, test, analyse and repair power supply using the following circuits: <ol style="list-style-type: none"> i) Half-wave, full-wave, and bridge rectifiers with filter & without filter. ii) Switching circuit using the following:- UJT, JFET, IGBT, SCR, DIAC, TRIAC. b) Measurement of voltage, frequency, time period using CRO. c) Trouble shoot and maintenance of voltage stabilizer, inverter and UPS. 	<ol style="list-style-type: none"> 1) The trainee will be able to explain the regulated supply circuit. 2) The trainee will able to explain & demonstrate different application of CRO. 3) The trainee will demonstrate the skill of circuit fabrication, repair & maintenance of stabilizer, inverter and UPS independently. 4) The trainee will be responsible for own work & learning. 		✓	
11.	Draw, estimate, wire up, test different type of domestic and industrial wiring circuits as per Indian Electricity rules and taking care of quality. Construction and working of MCB & ELCB. Test a domestic/industrial wiring installation using Megger.	<ol style="list-style-type: none"> 1) The trainee will acquire knowledge of the domestic & industrial wiring circuits and able to explain the same. 2) The trainee will demonstrate the practical competencies of proper connection of the circuits as per IE Rules. 3) The trainee will be responsible for own work & learning. 		✓	
12.	Plan and install Pipe & Plate earthing. Measure earthing resistance by earth tester.	<ol style="list-style-type: none"> 1) The trainee will acquire the knowledge and importance of Pipe and Plate earthing. 2) The trainee will demonstrate the skill and install the Pipe and Plate earthing by selecting proper tools, instruments and method without any assistant. 3) The trainees will have basic understanding of human protection and natural environment 		✓	
13.	Understand the constructional features, working principles of DC machine. Starting with suitable starter, running, forward and reverse operation and speed control of DC motors. Conduct the load performance test of DC machine with due care and safety. Maintain and troubleshoot of DC machines.	<ol style="list-style-type: none"> 1) The trainee will acquire knowledge of the concepts of D C Machines and able to illustrate. 2) The trainee will demonstrate the proper connection of the D C machine independently. 		✓	

14.	Understand the types, constructional features, working principles of transformer (single & three phase) Maintenance and application of Transformer.	<ol style="list-style-type: none"> 1) The trainee will explain the concepts of Transformer. 2) The trainee will demonstrate the proper connection & test of the transformer without help. 		✓	
15.	Understand the constructional features, working principles of single-phase and three-phase AC motors. Starting with suitable starter, running, forward and reverse operation and speed control of AC motors. Conduct the load performance test of AC machine with due care and safety. Maintain and troubleshoot of AC motors.	<ol style="list-style-type: none"> 1) The trainee will acquire knowledge of the concepts of single phase and 3 phase AC motors and able to illustrate. 2) The trainee will demonstrate the proper connection of the AC motors independently. 3) The trainee will demonstrate the proper connection, test and install independently. 		✓	
16.	Understand the constructional features, working principles of Alternator and Motor-Generator set. Install, set-up and test synchronization of Alternator and Motor-Generator set with due care and safety. Maintain and troubleshoot of the machines.	<ol style="list-style-type: none"> 1) The trainee will give explanation on Alternator and Motor-Generator set. 2) The trainee will demonstrate the proper connection & test of Alternator and Motor-Generator set independently. 3) The trainee will plan work in compliance with standard safety norms related with Alternator and Motor-Generator set. 		✓	
17.	Test and perform Winding for small transformer, armature, field winding and machines.	<ol style="list-style-type: none"> 1) The trainee will acquire accurate knowledge of the winding. 2) The trainee will demonstrate the skill of proper winding connection & testing independently. 3) The trainee will able to communicate with clarity. 		✓	
18.	Plan and execute electrical illumination system viz. FL tube, HPMV lamp, HPSV lamp, etc.	<ol style="list-style-type: none"> 1) The trainee will obtain knowledge of the concepts of illumination and able to explain. 2) The trainee will demonstrate connection of the light fittings without assistance. 		✓	
19.	Select, assemble, test and wire-up control panel for three-phase AC Motors.	<ol style="list-style-type: none"> 1) The trainee will acquire factual knowledge of the control components and panel wiring 2) The trainee will demonstrate the skill of proper & neat connection of the panel wiring pertaining to routine & repetitive applications. 3) The trainee will able to communicate with clarity. 4) The trainee will be responsible for own work & learning. 		✓	

20.	Identify parts, installation, service, troubleshoot and repair of electrical appliances viz. Electric iron, heater, kettle, automatic toaster, geyser, mixer & grinder, washing machine and fan with due care and safety.	<ul style="list-style-type: none"> 1) The trainee will acquire factual knowledge of the electrical appliances. 2) The trainee will demonstrate the skill of proper installation & service of domestic appliances of routine & repetitive nature. 3) The trainee will be able to communicate with clarity. 4) The trainee will be responsible for own work & learning. 		✓	
21.	Prepare single line diagram and layout plan of electrical transmission & distribution systems and plants with knowledge of principles and processes. Make and test cable joints of underground cable, identify parts and troubleshoot circuit breakers with care and safety.	<ul style="list-style-type: none"> 1) The trainee will acquire factual knowledge of electrical transmission & distribution systems and plants. 2) The trainee will demonstrate the skill of erecting overhead service line & making cable joints pertaining to routine & repetitive applications. 3) The trainee will be able to communicate with clarity. 4) The trainee will be responsible for own work & learning. 		✓	
22.	Understand and explain the concept in productivity, quality tools, and labour welfare legislation and apply such in day to day work to improve productivity & quality.	<ul style="list-style-type: none"> i) Trainees will have understanding of factual knowledge of productivity, quality tools and labour welfare legislation and apply to enhance productivity. ii) The trainees will have basic understanding of social, political & natural environment. iii) The trainees will have responsibility for own work and learning. 		✓	
23.	Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.	<ul style="list-style-type: none"> i) Trainees will have understanding of concept of energy conservation, global warming and pollution. ii) The trainees will have basic understanding of social, political & natural environment. iii) The trainees will have responsibility for own work and learning. 		✓	
24.	Explain personnel finance, entrepreneurship and manage/organize related task in day to day work for personal & societal growth.	<ul style="list-style-type: none"> i) Trainees will have understanding of factual knowledge of personal finance, entrepreneurship. ii) The trainees will have understanding to manage personal finance and further growth to be an entrepreneur. 		✓	

OTHER EVIDENCE OF LEVEL [This need only be filled in where evidence other than primary outcomes was used to allocate a level]

Nature of Evidence	Comments	Level-3	Level-4	Level-5
1.				
2.				
3.				

**QUALIFICATION FILE SECTION 5
EVIDENCE OF RECOGNITION OR PROGRESSION**

In the course of the research and/or development was there any direct evidence that the qualification(s) will be recognised by particular bodies – eg for entry to work or further study?

The qualification enjoys the recognition of major employers in Government/Public/ Private sectors) which is reflected in their respective Recruitment Rules. Sample Recruitment Rules are enclosed.

List any agreements which have been reached with regulatory bodies on recognition.

NCVT itself is working as the regulatory body.

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

1. Qualifying trainee will obtain an NCVT Certificate in Electrician trade which places the trainee in a position to investigate requirements for progression to a National Apprenticeship Certificate or National Craft Instructor Certificate or Diploma in Electrical Engineering, as permitted by State Boards of Technical Education or any other qualification at NSQF level 5 as decided by NSQC.
2. The State of Gujarat has already declared that those who complete two year ITI course after passing 10th Standard and having passed NCVT with English as a subject would be treated at par with Gujarat Secondary Education Board's 12th Standard and could opt for higher courses.
3. The matter of granting the ITI qualification equivalence to 12th Standard has been taken up with the Ministry of Human Resources and an Expert Group has been formed in this regard to take the example of the Gujarat State to the National level.

SUMMARY

Please attach any documents giving further information about any of the topics above.
Give details of the document(s) here: (Annexure 4)

**QUALIFICATION FILE SECTION 6
EVIDENCE OF INTERNATIONAL COMPARABILITY**

List any comparisons which have been established.

Nil