

QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Skill Council for Persons with Disability
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Name and contact details of individual dealing with the submission

Name: Mr. Ravindra Singh

Position in the organization: Chief Executive Officer

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List of documents submitted in support of the Qualification File

1. Qualification Pack for Assistant Electrician and Model curriculum aligned for Persons with **Locomotor Disability.**
2. QRC approval (Joint observation sheet) on Assistant Electrician for Persons with **Locomotor Disability.**
3. Guidelines for Persons with **Locomotor Disability** for Assessors.
4. List of Assistive Tools and Trainer Pre-requisites for Persons with **Locomotor Disability.**

QUALIFICATION FILE SUMMARY FOR THE PwD

Qualification Title	Assistant Electrician-PwD LD
Qualification code, If any	PWD/ CON/Q0602, v1.0
Body/ Bodies which will assess candidates	SCPwD affiliated Assessment Agency (AA)
Body/ bodies which will award the certificate for the qualification	Skill Council for Persons with Disability
Body which will accredit providers to offer the qualification	Skill Council for Persons with Disability
Notional Learning Hours	400
Disability	Locomotor Disability (LD)
Entry Requirement	Class 10 th Pass
Date of planned review of the qualification	31/03/2023

Formal Structure of the Qualification

Locomotor Disability				
Title of the unit or other component (Include any identification code used)	Mandatory / Optional	Estimated size (learning hours)		Level
		Theory	Practical	
Introduction to the job role (Bridge Module)	Mandatory	14	0	3
Select and use hand, power tools and electrical devices relevant to construction electrical works (CON/N0602)	Mandatory	15	36	4
Install temporary lighting arrangement at construction sites (CON/N0603)	Mandatory	20	64	3
Install LV electrical wiring at permanent structures (CON/N0604)	Mandatory	20	82	3
Assemble, install and maintain temporary LV electrical panels (distribution boards) at construction site (CON/N0605)	Mandatory	22	72	3
Work effectively in a team to deliver desired results at the workplace (CON/N8001)	Mandatory	6	10	3
Plan and organize work to meet expected outcomes (CON/N8002)	Mandatory	5	10	3
Work according to personal health, safety and environment protocol at construction site (CON/N9001)	Mandatory	8	16	3
Total		110	290	

ASSESSMENT

Name of Assessment Agency (AA):

If there will be more than one Assessment Agency (AA) for this qualification, give details.

- IRIS-Corporate Solutions Private Limited
- Radiant Infonet Pvt Ltd
- SP Institute of Workforce Development Pvt Ltd
- Tag Assessors Guild Private Limited
- Skills Mantra Edutech Consulting India Pvt Ltd

The list of Assessment Agencies is not limited to above and can extend basis their empanelment with SCPwD and having certified Assessor for the Job role from Domain SSC as well as SCPwD.

ASSESSMENT PROCESS

NOTE: SCPwD adopts the Criteria of the Domain SSC and Assessment is conducted by the AA's which are approved by the Domain SSC as well as empaneled with SCPwD. SCPwD develops Assessment guidelines for Persons with Blindness, Low vision, Speech and Hearing Impairment and **Locomotor Disability** to assist the assessors during assessment of the candidate. SCPwD conducts Training of Assessors (ToA) and provide them Disability Orientation and Sensitization.

Process followed by SCPwD for assessments:

Being a Horizontal Council, the prerequisites to the assessment process shared by the Domain SSC is followed mandatorily by the Assessment Agencies. Additionally, they must also follow the guidelines of SCPwD. Below is the assessment process in brief:

Pre-Assessment Phase-

1. Batch allocated to the Assessment Agency by SCPwD through Portal/ Email.
2. Assessment Agency to connect with Training Provider and communicate/confirm the date of assessment through email.
3. Assessment Agency to share requisite lab infrastructure & checklist with TP and discuss about the availability through email.
4. Assessment Agency aligns the Assessor for the assessment (Assessor should be Dual Certified by the Domain SSC as well as SCPwD, and the certification should be valid).
5. Prepare the Assessment link, formats and share with the Assessor over an email.
6. Share the Assessment demo link with the Training Partner over an email.

Assessment Phase-

1. The Assessor verifies the identity and disability through Aadhar Card and Disability Certificate and reports to SCPwD in-case of any discrepancy [*In case of J&K and NE Voter ID & Pan Card also allowed for Candidates Identification*].
2. The candidates are briefed on the assessment process (Prior to starting of the assessment).
3. The Assessor verifies the lab equipment's and reports to SCPwD in-case of any variance.
4. Post validation of photo Id proof for each candidate, attendance of candidate is captured according to the scheme's requirement. i.e., under PMKVY, attendance of the candidates is captured through Aadhar Enabled Assessor Application, however, under other schemes candidates sign the attendance sheet.
5. The candidates attempt the assessment on TAB/Computer System.
6. The Assessor takes the photos and videos of respective activities and complete the documentation formalities.

Post Assessment Phase-

1. The Assessment Agency prepares the result based on responses captured in server.
2. The Assessment Agency shares the result with SCPwD in the prescribed format.

SECTION 2

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

The Job role has been shortlisted and mapped for Persons with **Locomotor Disability**, based on demand by the Industry, Training Partners, Experts and views from the reverent Persons with Locomotor Disability themselves.

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

Infrastructure sector is a key driver for the Indian economy. The sector is highly responsible for propelling India's overall development and enjoys intense focus from Government for initiating policies that would ensure time-bound creation of world class infrastructure in the country. Infrastructure sector includes power, bridges, dams, roads, and urban infrastructure development. India was ranked 44 out of 167 countries in World Bank's Logistics Performance Index (LPI) 2018. India ranked second in the 2019 Agility Emerging Markets Logistics Index.

According to the Department for Promotion of Industry and Internal Trade (DPIIT), construction development and infrastructure activities sectors received FDI inflow amounting to US\$ 25.69 billion and US\$ 16.97 billion, respectively, between April 2000-June 2020. The logistics sector in India is growing at a CAGR of 10.5% annually and is expected to reach US\$ 215 billion in 2020.

India is witnessing significant interest from international investors in the infrastructure space. The infrastructure sector has become the biggest focus area for the Government of India. The Government of India is expected to invest highly in the infrastructure sector, mainly highways, renewable energy, and urban transport. India plans to spend US\$ 1.4 trillion on infrastructure during 2019-23 to have a sustainable development of the country. The Government has suggested investment of Rs. 5,00,000 crores (US\$ 750 billion) for railways infrastructure from 2018-30. India and Japan have joined hands for infrastructure development in India's Northeast

states and are also setting up an India-Japan Coordination Forum for Development of Northeast to undertake strategic infrastructure projects for the region.

Real estate and construction together are the second largest employment provider in the country, next only to agriculture, according to the Economic Survey 2017-18, tabled in Parliament. The sector employed over 40 million workforces in 2013, and as per projections, it is slated to employ over 52 million workforces by 2017 and 67 million workforces by 2022.

Owing to the various schemes of the Govt of India, the opportunities in this sector seems promising, in addition to this the low entry criterion required for training on the Job roles of the sector makes it easier for the youth with disability to undergo training on these Job roles.

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

Non duplication has been ensured by the Domain SSC.


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?

The Qualification Pack for Assistant Electrician was adopted based on the industry demand for Persons with Disability. SCPwD develops disability specific Expository which contains expounded information on tools/technology /assistive devise for specific disability. The QP is revised at frequent intervals by Domain SSC, to capture updates in the sector. Similarly, Expository is also reviewed and revised to capture updates on any further development /innovations in the specific disability for facilitating the trainers as well as the assessors in addition to the learners. It may be noted that as and when the Domain SSC revises the QP corresponding adoption and updating is done by SCPwD in the related Job Role.

Annexure 1: QRC approval (Joint observation sheet)

NSQC Approved

SCPWD / IS MCs + Expositives

 NSDC
National
Skill Development
Corporation

Date November 30, 2018.

QRC Members Joint Declaration/Recommendations Sheet

QRC Members Praveen Roy, J V Rao, Manik Sabharwal

SSC Representatives
Anup K Srivastava
Nishu

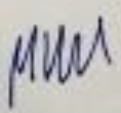

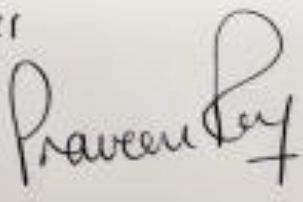
Recommendations	old	now
Assessments on QPs that are being reviewed / revised / or nationalized will need to be discussed		
Discussion on the IT-systemic changes as ^{is} required if/as SCPWD candidates are not trained or assessed on specific NOS especially for the issuance of transcripts.		

Resolutions as Accepted by SSC

Submission Date

Approved

Signature of QRC Members and Presenting SSC's CEO

Common guidelines for assessment of Trainees from all the categories of Disability

- Validate the type of Disability of the candidate along with the original Disability Certificate (Please note: In PMKVY, the batch should not have the candidates with Multiple Disabilities and the Disability type should be same as provided in SDMS).
- Do ask questions openly. Do not assume anything. For example, ask your trainees with disability if they need any change in the kind of assessment setup provided.
- Be prepared to make your assessments person-specific including the practical part too without compromising on the criteria set up by the Domain SSC.
- Provide the candidate with the desired assistive devices which may vary from candidate to candidate.
- Do understand that every trainee with disability has a journey: he/she are likely to have identified solutions that best work for him/her. Do not expect your trainees with disability to go through the same processes with the same rigour as your trainees without disability.
- Remember that your trainees with disability are going to work with persons without disability. Pitying, belittling or lowering the standards would defeat the purpose.
- An extension of 20 minutes per hour is recommended. This can be further increased as per circumstances/ requirement of the candidate (for details please refer to the Examination Guideline developed by MSJE).
- Services of scribe/ writer/ reader/ lab assistant should be allowed to any person who has Disability of 40% or more if so desired by the person.
- General comfort of the candidate should be kept in view inside the assessment room.
- Follow the health/ safety guidelines if any issued by the authorities.

Specific Guidelines

- Do not hang onto or lean on a wheelchair. It is often considered to be part of the person's "body space."
- There may be a requirement of re-arrangement of equipment based on nature of Disability for ease of access like placing tools on left-hand-side or right-hand-side.
- May require process changes based on the nature of the assessment – for example, use of feet by an individual for different tasks having restricted mobility in upper limbs.
- There may be a requirement of modified/one-handed keyboard or mouse, computer configured with Sticky Keys for ease of using keyboard shortcuts, computer compatibility with speech recognition software or camera-mouse.
- Allow a scribe when requested by the candidate.
- In assessments, some trainees may prefer using a laptop over a desktop due to movement constraints.
- Many persons with spinal cord injury are unable to sit for extended periods of time. This should be taken into account, and extra time should be allocated to the person for completion of the assessment.

Annexure 3: Assistive Tools, Trainer Pre-requisites

List of tools/equipment to conduct the training

Any of the following tools may be used during the training of Persons with Locomotor Disability

- Computer
- Sticky Keys
- Foot Pedals
- Access Switches
- Wheel Chair
- Walker
- One-Handed Keyboard
- Pencil Gripper
- Automatic Page Turner
- Grab Bars
- Speech to Text software

Trainer Qualification

Minimum Educational Qualifications: Class 10th pass

Experience: i. Technical Degree holder with minimum Five years of Field & Two years of teaching experience (At least one year each at workers and Engineers level) or, ii. In case of a Diploma Holder Ten years of field & five years of teaching experience (Three years at worker level and two years at Engineers level) having Total experience to 15 yrs. or, iii. In case of specific to trades than should have qualified the Minimum Level- 4 and have Fifteen years of field experience and Three years of Teaching experience or, iv. Graduate or Intermediate should possess at least Level – 4 Certificate and have 12 years of field experience and two years of trade teaching experience.

In addition to Domain SSC (as above) Disability specific additional requirement for the trainer are:

Disability Specific Top Up Module- The Inclusive Trainer should be certified by SCPwD with minimum qualifying score of 80% as per SCPwD guidelines in Disability Specific Top Up Training / QP of Trainer-PwD

NSQC Approved