



QUALIFICATION FILE

INDUSTRIAL SAFETY ENGINEER

☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☐ Apprenticeship

☒ Upskilling ☐ Dual/Flexi Qualification ☐ For ToT ☐ For ToA

☐ General ☒ Multi-skill (MS) ☐ Cross Sectoral (CS) ☐ Future Skills ☐ OEM

NCrF/NSQF Level: 5.5

Submitted By:

State Board of Technical Education & Training

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Section 1: Basic Details

1.	Qualification Name:	INDUSTRIAL SAFETY ENGINEER										
2.	Sector/s											
3.	Type of Qualification: ☒ New ☐ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: <i>(change to previous, once approved)</i>	Qualification Name of existing/previous version: CCIC- INDUSTRIAL SAFETY									
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	NA INDUSTRIAL SAFETY ENGINEER										
5.	National Qualification Register (NQR) Code &Version <i>(Will be issued after NSQC approval)</i>	NEW	6. NCrF/NSQF Level: 5.5									
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>)	INDUSTRIAL SAFETY ENGINEER										
8.	Brief Description of the Qualification	The Industrial Safety Qualification is a professional program designed to equip learners with the knowledge, skills, and competencies necessary to ensure workplace safety and compliance in industrial environments. The course integrates theoretical knowledge with practical training, including safety audits, mock drills, safety inspections, and real-time case studies, aligned with national and international standards such as the Factories Act, ISO 45001, OSHA, and BOCW regulations.										
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee 1. Completed 4 years of BE/ B.Tech Degree in any branch of Engineering. 2. Completed 3 years of Polytechnic Diploma in Engineering after 10th or equivalent with 3.0 years of relevant experience.	1) Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completed 4 years of BE/ B.Tech Degree in any branch of Engineering.</td> <td>NA</td> </tr> <tr> <td>2</td> <td>Completed 3 years of Polytechnic Diploma in Engineering after 10th or equivalent</td> <td>3.0 YEARS of relevant experience.</td> </tr> </tbody> </table> 2) Age: 21 Years		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	Completed 4 years of BE/ B.Tech Degree in any branch of Engineering.	NA	2	Completed 3 years of Polytechnic Diploma in Engineering after 10 th or equivalent	3.0 YEARS of relevant experience.
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)										
1	Completed 4 years of BE/ B.Tech Degree in any branch of Engineering.	NA										
2	Completed 3 years of Polytechnic Diploma in Engineering after 10 th or equivalent	3.0 YEARS of relevant experience.										
10.	Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i>	18	11. Common Cost Norm Category (I/II/III) <i>(wherever applicable)</i> : Category I									

	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	COURSE AFFILIATION FROM SBTET- GOVT OF ANDHRA PRADESH																						
12.	Training Duration by Modes of Training Delivery <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i>	☐ Offline ☐ Online ☒ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>OJT Mandatory (Hours)</th><th>Employability Skills</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Blended Mode</td><td>100</td><td></td><td></td><td>60 (18T+42P)</td><td></td></tr> <tr> <td>Offline</td><td></td><td>110</td><td>270</td><td></td><td>540</td></tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	Employability Skills	Total (Hours)	Blended Mode	100			60 (18T+42P)		Offline		110	270		540
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	Employability Skills	Total (Hours)																			
Blended Mode	100			60 (18T+42P)																				
Offline		110	270		540																			
13.	Aligned to NCO/ISCO Code/s <i>(if no code is available mention the same)</i>	2141.2500																						
14.	Progression path after attaining the qualification <i>(Please show Professional and Academic progression)</i>	Safety officer, Senior Safety officer																						
15.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	ENGLISH																						
16.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																						
17.	Is the Job Role Amenable to Persons with Disability	☐ Yes ☒ No If "Yes", specify applicable type of Disability:																						
18.	How Participation of Women will be Encouraged																							
19.	Are Greening/ Environment Sustainability Aspects Covered <i>(Specify the NOS/Module which covers it)</i>	☒ Yes ☐ No																						
20.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☒ No Colleges ☒ Yes ☐ No																						
21.	Name and Contact Details of Submitting / Awarding Body SPOC <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: D V S N V PRASAD BABU Email: academic.apsbtet@gmail.com Website: https://apsbtet.ap.gov.in Contact No.: 7901620507																						
22.	Final Approval Date by NSQC: 7-10-2025	23. Validity Duration: 3 years			24. Next Review Date : 6/10/2028																			

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job **Man.**-Mandatory Training **Rec.**-Recommended **Proj.**-Project

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	SAFETY HEALTH AND ENVIRONMENT	NA	Core	5	0.5	8	7	-	-	15	100	40	-	10	150	-
2.	FUNDAMENTAL SAFETY ENGINEERING	NA	Core	5	0.5	10	5	-	-	15	100	40	-	10	150	-
3.	ADVANCED SAFETY ENGINEERING	NA	Core	5	1	10	20	-	-	30	100	40	-	10	150	-
4.	QUALITY CONTROL IN OCCUPATIONAL SAFETY, HEALTH & ENVIRONMENT	NA	Core	5	1	12	18	-	-	30	100	40	-	10	150	-
5.	SAFETY, HEALTH & ENVIRONMENTAL LEGISLATION	NA	Core	5	1	30	0	-	-	30	100	40	-	10	150	-
6.	INDUSTRIAL HYGIENE & OCCUPATIONAL HEALTH	NA	Core	5	1	10	20	-	-	30	100	40	-	10	150	-
7.	SAFETY IN CHEMICAL AND PETRO CHEMICAL INDUSTRY	NA	Core	5	1	10	20	-	-	30	100	40	-	10	150	-
8.	SAFETY IN CONSTRUCTION INDUSTRY	NA	Core	5	1	10	20	-	-	30	100	40	-	10	150	-
					7	100	110			210						
9.	EMPLOYABILITY SKILLS	NA	Non-core	5	2	18	42	-	-	60	100	-			100	
10.	OJT BASED PROJECT WORK	NA	Core	5	9	-	-	270	-	270	-	-	160	40	200	-
Duration (in Hours) / Total Marks					18	118	152	270		540	-	-	-	-	1500	-

Elective NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.		NA														
2.		NA														
Duration (in Hours) / Total Marks																

Optional NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.		NA														
2.		NA														
Duration (in Hours) / Total Marks																

Assessment - Minimum Qualifying Percentage

Please specify **any one** of the following:

Minimum Pass Percentage – Aggregate at qualification level: 60 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: 60 % (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	Recognized degree in Branch of Technology / Engineering in Mechanical/Electrical/Chemical with one year experience.
2.	Master Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	Recognized degree in Branch of Technology / Engineering in Mechanical/Electrical/Chemical with Five years' experience.
3.	Tools and Equipment Required for Training	☒ Yes ☐ No <i>(If "Yes", details to be provided in Annexure)</i>
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Master's Degree in branch of Technology or Engineering Technology / Engineering in Mechanical/ Electrical/ Chemical with minimum of 1 year of experience
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	NA
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Master's Degree in branch of Technology or Engineering Technology / Engineering in Mechanical/ Electrical/ Chemical with minimum of 5 years of experience
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Offline
5.	Tools and Equipment Required for Assessment	☐ Same as for training ☒ Yes ☐ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes. State Govt. and APSSDC Initiations
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):
3.	Government /Industry initiatives/ requirement (Yes/No): Attached
4.	Number of Industry validation provided: Thirty-One
5.	Estimated nos. of persons to be trained and employed: 1500 and 1500
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: <i>Dept. of Factories concern letter attached.</i> If "No", why:

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors <i>(Mandatory)</i>	Attached
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	Attached
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Attached
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Attached
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	Blended Learning Required
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	Attached
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Attached
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Attached
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	Attached
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	Attached
12.	Any other document you wish to submit:	Attached

Annexure: Evidence of Level

NCrf/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrf/NSQF level descriptor	NCrf/NSQF Level
Professional Theoretical Knowledge/Process	Advanced knowledge about a multidisciplinary/ interdisciplinary/ cross disciplinary field of technology/ skills/ job role, with specialized in depth knowledge in one or more related fields. , Has awareness and knowledge of the emerging and futuristic developments and issues in the chosen fields of technology/ skills/ job role. , Has	The entry qualification for this qualification is B.Tech, as per department of factories the candidate with this qualification is eligible for HSE/EHS Engineer in industries. The trainees will have thorough understanding of: Occupational health and safety laws. On industrial hazards (chemical, mechanical, electrical, etc. Risk assessment and control measures. Fire safety and prevention.	

	advanced understanding and Knowledge about the Change management processes and systems. , Acquired advanced]knowledge and skills on a wide range of sources for identifying problems and issues relating to the chosen fields of learning, and future improvements Advanced multidisciplinary and specialized knowledge Proficient in interdisciplinary knowledge including tech with specialized expertise in related fields; knowledgeable in emerging trends, change management, and problem-solving.	Accident investigation and reporting. Safety audit and inspection procedures.	
Professional and Technical Skills/ Expertise/ Professional Knowledge	Possesses a range of advanced cognitive, professional and technical skills required for performing and accomplishing complex tasks relating to the chosen fields of technology/ skills/ job role. , Wide range of cognitive and practical skills required to create innovative and feasible solutions to complex problems and situations in uncertain environment. , Project Management Skills , Understanding and application of techno Commercial aspect of technology/associated skills or job role. , Skills to adapt to the future of work and to the demands of the fast pace of innovations and technological developments. , Social Intelligence Advanced Technical and Managerial Skills	Safety planning and management skill. Communication reporting through conducting safety meetings. Tool box tasks. Leadership and team coordination skills. Legal and ethical compliance. Problem solving and decision- making skills. Technical skills: 1) Hazard identification and risk assessment skill(HIRA). 2) Use of personal protective equipment (PPE). 3) Fire safety and emergency preparedness. 4) Safety audit and inspection skills. 5) Knowledge of industrial standards 6) Environmental safety techniques.	

	Proficiently skilled in advanced cognitive abilities, project management, techno-commercial aspects, and future adaptability, with social intelligence.		
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Excellent leadership, Communication, collaboration and organizational skills , Possesses Administrative outlook and leadership traits for managing technical workforce. , Effective mentoring, people management, listening, delegation skills , Organisation and Time Management , Creative thinking and Innovation , Good logical and mathematical analysis/ simulation modelling skills , Complete understanding of social, political, natural and work environment. , Organizing, analyzing, interpreting and acting on the information and effectively communicating and presenting/ using its outcome for decision making. , A keen sense of observation, enquiry, and capability for asking relevant/ appropriate questions , Managing complex technical or professional activities or projects, requiring effective, envisioning, planning and full personal responsibility for output of own work as well as for the outputs of the group as a member of the group/team , Apply leadership skills to manage people and resources for achieving organizational objectives and	The skills acquired through this qualification make the trainees eligible for roles such as : 1) Safety officer /HSE officer 2) Safety engineer 3) EHS coordinator 4) Fire and safety engineer 5) Industrial Hygienist 6) OHS auditor or consultant In industries manufacturing, construction, oil and gas, power plants , chemical industries and pharmaceutical industries	

	outcomes. Emotional Intelligence Leadership, effective resource management Dynamic leader with exceptional organizational, communication and mentoring skills, capable of driving innovation for optimal group performance.		
Broad Learning Outcomes/Core Skill	Applies advance theoretical knowledge and specialized professional and technical skills involving complex variable environment and contexts , Effective understanding, monitoring and supervision of critical parameters and KPIs or others , Evaluation and improvement of processes, procedures and work or study activities , , Examine and assess the implications and consequences of emerging developments and critical issues. , Make judgement in a range of situations by critically reviewing and consolidating evidences and risks , Constantly and regularly pursue self-paced and self-directed learning to upgrade knowledge and skills that will help accomplish complex tasks or pursue education and research. , Can identifying problems and issues relating to the chosen fields of learning, and ways of future improvements , Exercises judgement based on evaluation of evidence from a range of sources to arrive at a solutions to complex real life problems in chosen fields of technology/	1) The trainee will understand the safety legislation and standards 2) The can interpret and apply safety laws, rules and standards 3) They thoroughly understand factories act 1948, BOCW act, Environmental laws and ISO 45001 and OSH Standards 4) Shall be able to identify physical, chemical, electrical, biological and ergonomic hazards 5) Shall be able to conduct HIRA, JSA 6) Shall be able to implement control measures 7) Shall be able to implement safety management systems like OHSMS, CAPA 8) Shall be able to use PPE 9) Shall be able to conduct safety audits and inspections 10) Shall be able to operate different fire safety systems and thus create an emergency preparedness in industry 11) Shall be able to investigate on accidents and analyze to submit reports. 12) Shall be able to monitor the pollutions levels to implement an effective environmental and occupational health management with in an industry 13) Shall be able to use tools like 5S, Kaizen, HAZOP etc to create effective	

	skills/ job role. Judgement in complex problems Applies advanced technical skills, monitors critical parameters, evaluates and improves processes, and solves complex problems with evidence based judgement in complex problems.	professional ethical practices in safety management.	
Responsibility	At level 5.5 the candidate is a Manager/ Technical Manager/ product Manager or equivalent. , At level 6.0 the candidate is a Senior Manager/ Senior Technical Manager/ Sr. Product Manager or equivalent. , Is responsible for managing a bigger independent unit/ business activity/ project , Responsible for managing activities like planning, resourcing, processes, people, within broad parameters and with complete accountability for determining, achieving and evaluating personal and group outcomes. , Effective delegation and monitoring , Exercise full management and supervision of unpredictable work; , Responsible for the work of others. , Change agent , Team Building , The exercise of full personal responsibility and accountability for the initiatives undertaken and the outputs/outcomes of own work as well as of the group as a team member/ leade Vertical/ Business unit management Manager or Senior Manager Accountable leader effectively manages independent units/projects, delegates,	Conduct daily site safety inspections and audits Ensure workers follow safety rules and wear PPE Report unsafe acts, near-misses, and violations Maintain safety records and incident reports Deliver toolbox talks and safety awareness training Assist in conducting risk assessments and JSA Monitor fire safety systems and emergency preparedness Ensure compliance with legal and organizational safety policies Coordinate first aid and emergency response teams	

	supervises and drives change with full responsibility and team building.		
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Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	VARIOUS SAFETY EQUIPMENT & DETECTING METERS	Multi-gas testing meters, Tensky meter, Abel's meter, Lux meter, Sound level meter, Anemo meter, Temperature and humidity meter, Electronic weighing machine,	2 NOS /1 BATCH (30 NOS)
2	FIRE EXTINGUISHERS	Water, Foam, Dry Powder, Carbon Dioxide and Wet Chemical	2 SETS /1 BATCH (30 NOS)
3	FIRE HYDRANTS & NOZZELS	Hydrants, Pumps, Piping, Valves, Fittings, Water Storage	2 SETS /1 BATCH (30 NOS)
4	PPEs & OTHER CONSRTUCTION EQUIPMENTS	Gloves, Respirators, Safety Glasses, Helmets, Hard Hats, Face Shields and Welding Shields Hearing Protection (Earplugs and Earmuffs) Respiratory Protection (Masks[N95 and PAPRs] and breathing operators) Body Protection (Coveralls, Aprons, Chemical suits and full-body suits) Foot Protection (Safety shoes and boots with features like steel toes, puncture resistant soles and slip resistant treads) High visibility clothing (Reflective vests and clothing)	30 Numbers

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Whiteboard/Chalkboard
2. Charts and Posters, Diagrams and Maps
3. Textbooks
4. Handouts and Flashcards
5. Multimedia Projectors
6. Power Point Presentations, Animations.
7. Videos or Audio Recordings or Educational Films

Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
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1	Archetype India C C Pvt Ltd	Yogyitha Hingorani	Manager(HR)	New Delhi	NA	NA	NA
2	Power Mech Projects Ltd	J Bhanu Chandra	Executive HR	Hyderabad	040-30444444	NA	NA
3	Brandix Apparel India Ltd	Niranjan Basnayake	Head of Operations	Visakhapatnam	NA	info@brandix.com	NA
4	CMC Ltd	V Subha	Delivery Head	Hyderabad	NA	NA	NA
5	Dong Yang Construction India Pvt Ltd	H C Shin	DGM HR	Pune	020-46601333	NA	NA
6	Dr Reddys Laboratories Ltd	B Ravikrishna	AGM HR	Hyderabad	040-49002900	NA	NA
7	Dreams Architects and Engineers	Sudhakar	GM Adminstration	Visakhapatnam	9440464886	NA	NA
8	J V Engineers	Ramakrishna	AGM HR	Chennai	044-42172182	jvengineers@jvengineers.net	NA
9	SRICO PROJECTS LTD	Venkat	Manager HR	Hyderabad	040-23320409	srcoprojects@gmail.com	NA
10	Asian Paints Ltd	Basil Thanklice	Manager HR	Sangareddy	08455264399	NA	NA
11	Bridge and Roof Core India Ltd	Souravh Srivastava	Resident Manager	Kochi, Kerala	8891020200	Bridgeandroof6990@gmail.com	NA
12	Thermax Engineering Construction Core Ltd	Amolwarty	Group Head HR	Pune	02066126464	NA	NA
13	GMG Green Infra Solutions LLP	S Raju	Project Manager	Barwani	7290299121	NA	NA
14	Vennela Traders and Contractors	M R K Raju	Proprieter	Tanuku	9400321121	mrkraj8383@gmcil.com	NA
15	Ferro Engineers	M Krishnamurthy	Managing Director	Chennai	26365303	info@ferroengineers.com	NA
16	HOFINCONS Infotech and Industrial Services Pvt Ltd	S R Ramadas	AGM HR	Chennai	04428362837	NA	NA
17	KAY JAY Exports Pvt Ltd	Bipin Sahoo	Manager HR	Visakhapatnam	0891561542	NA	NA
18	MAEDA Corporation India Pvt Ltd	Kazuya Suzuki	President	Delhi	01149738888	NA	NA

19	MSN Life Sciences Pvt Ltd	J Nagarjuna	Production Head	Hyderabad	040-30438600	NA	NA
20	NRB Bearings Ltd	CH Ravi	Senior Manager HR	Hyderabad	040-27205187	NA	NA
21	Patel Engineering Works	Murali Krishna	Site Engineer	Visakhapatnam	556872	NA	NA
22	Sri Maheshwari Enterprises	S Appala Naiyudu	Proprieter	Visakhapatnam	NA	NA	NA
23	Supreme Offshore construction and Technical Services Ltd	H Bhanu	Manager HR	Visakhapatnam	0891-579026	NA	NA
24	Prasad & Company (Project Works) Ltd	K Narsaiah	Project Manager	Visakhapatnam	NA	prasadcompany.vskp@gmail.com	NA
25	SHAPOORJI PALLONJI & Co Ltd	Varghese Matthew	Chief People Officer	Hyderabad	040-27902282	NA	NA
26	Transrail Lightening Ltd	S M Bhalerao	AGM HR	Nagpur	7103281202	NA	NA
27	UNIQUE TFM Services Pvt Ltd	R Brahma	Manager HR	Hyderabad	NA	NA	NA
28	SOBHA Ltd	Satish J Kamath	Senior Vice President	Bangalore	8049320000	NA	NA
29	New Land Laboratories Ltd	CH Ravi	DGM HR and Admin	Sangareddy	040-672722	NA	NA
30	Granules India Ltd	B Prabhakar Reddy	GM HR and Admin	Hyderabad	NA	NA	NA
31	NKG Infrastructure Ltd	B Praveen Kumar	Manager HR	New Delhi	011-47682800	NA	NA

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	1500	1500	750	750	0	0
2026-27	1500	1500	750	750	0	0

2027-28	1500	1500	750	750	0	0
Total	4500	4500	2250	2250	0	0

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications: NA

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
New		NA				NA				NA			
New		NA				NA				NA			

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

- 1.
- 2.

Content availability for previous versions of qualifications: NA

☐ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

Languages in which Content is available: ENGLISH

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline : Online Ratio
1	☐ Theory/ Lectures - Imparting theoretical and conceptual knowledge	- Books/ e-books - Presentations - Textbooks - Video and Audio Modules with animations and simulations.	60:40
2	☐ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners	- Self-Learning Videos - Broadcasts - Mobile Learning - Curated Digital content	60:40
3	☐ Showing Practical Demonstrations to the learners	- Simulators - Video Content - E-Resource library	60:40

		4. AR/ VR/ XR	
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	1. Simulators 2. Digital Twins 3. Meta-verse 4. Video Play presentations	60:40
5	☐ Tutorials/ Assignments/ Drill/ Practice	1. Online Question Bank 2. Mobile Quick test app 3. MCQ based tests	60:40
6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations	1. Assessment engine for Essays 2. Up-loadable file examinations 3. Mock test sessions	60:40
7	☐ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training	1. Simulators 2. Proctored Online tests 3. Offline assessments	60:40

Annexure: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows: Based on Model Curriculum

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
SAFETY HEALTH AND ENVIRONMENT	1. Understand the principles of SHE Management systems	25	-	-	-
	2. Apply SHE Policies and Regulatory Frameworks	30	-	-	-
	3. Conduct Hazard Identifications and Risk Assessment (HIRA)	45	-	-	-
	Total Marks (150)	100	40	-	10
FUNDAMENTAL SAFETY ENGINEERING	1. Understand the fundamental concepts of Safety Engineering	20	-	-	-
	2. Identify and classify various types of Industrial Hazards	35	-	-	-
	3. Analyze accident causes using Scientific methods (Root Cause Analysis, Fault-Tree Analysis and Event Tree Analysis)	45	-	-	-
	Total Marks (150)	100	40	-	10
ADVANCED SAFETY ENGINEERING	1. Understand Electrical and Fire Safety Principles	15	-	-	-
	2. Understand Ventilation, Noise and Illumination requirements	30	-	-	-
	3. Evaluate Safety and Lifting Equipment and Material Handling	55	-	-	-
	Total Marks (150)	100	40	-	10
QUALITY CONTROL IN OCCUPATIONAL SAFETY, HEALTH & ENVIRONMENT	1. Apply National & International OSHE Standards	20	-	-	-
	2. Implement Inspection Testing and Audit Procedures	25	-	-	-
	3. Document and Maintain Quality Records	25	-	-	-
	4. Risk assessment and Hazard identification.	30	-	-	-
	Total Marks (150)	100	40	-	10
SAFETY, HEALTH & ENVIRONMENT LEGISLATION	1. Understand the Need and Importance of Legislation	15	-	-	-
	2. Identify and Interpret Major National SHE Laws	25	-	-	-
	3. Apply Legal Provisions in Industrial Safety Practices and Understand Environmental Regulations and Compliance	30	-	-	-

	4. Applications of Legal provisions to work place.	10			
	5. Understand the roles of Government and Regulatory bodies.	20			
	Total Marks (150)	100	40	-	10
INDUSTRIAL HYGIENE & OCCUPATIONAL HEALTH	1. Understand the concept and scope of Industrial Hygiene	10	-	-	-
	2. Identify Occupational Health Hazards.	15	-	-	-
	3. Evaluate Work Env Parameters and understand Ergonomic Human Factors	25	-	-	-
	4. Promote occupational health programmes and awareness.	50			
	Total Marks (150)	100	40	-	10
SAFETY IN CHEMICAL AND PETRO CHEMICAL INDUSTRY.	1. Understand the Characteristics of Chemical & Petro Chemical Industries	20	-	-	-
	2. Apply Hazard Control Measures in Chemical Processes	30	-	-	-
	3. Analyze Fire & Explosion Hazards and Process Safety Management	50	-	-	-
	Total Marks (150)	100	40	-	10
SAFETY IN CONSTRUCTION INDUSTRY.	1. Understand the nature and scope of Construction Safety	25	-	-	-
	2. Apply Construction Standards and Regulations	35	-	-	-
	3. Implement Safe Work Practices and Permit Systems, ETE, Use of PPEs	40	-	-	-
	Total Marks (150)	100	40	-	10
EMPLOYABILITY SKILLS	1. Communication Skills	25	-	-	-
	2. Team work and leadership	25	-	-	-
	3. Problem solving and critical thinking	25	-	-	-
	4. Time management and organization.	25	-	-	-
	Total Marks (100)	100	-	-	-
OJT BASED PROJECT WORK	1. Developing practical skills	-	-	40	-
	2. Boosting confidence and enhancing job performance	-	-	40	-
	3. Fostering professional growth through hands-on experience	-	-	80	-
	Total Marks (200)			160	40
Grand Total (1500)		900	320	160	120

Annexure: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

Mention the detailed assessment strategy in the provided template.

<1. Assessment System Overview:

- Batches assigned to the assessment agencies for conducting the assessment on SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records

2. Testing Environment:

- Check the Assessment location, date and time
- If the batch size is more than 30, then there should be 2 Assessors.

- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.

3. Assessment Quality Assurance levels/Framework:

- Question bank is created by the Subject Matter Experts (SME) are verified by the other SME
- Questions are mapped to the specified assessment criteria
- Assessor must be ToA certified & trainer must be ToT Certified

4. Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding

5. Method of verification or validation:

- Surprise visit to the assessment location

6. Method for assessment documentation, archiving, and access

- Hard copies of the documents are stored

On the Job:

1. Each module (which covers the job profile of Automotive Service Assistant Technician) will be assessed separately.
2. The candidate must score 60% in each module to successfully complete the OJT.
3. Tools of Assessment that will be used for assessing whether the candidate is having desired skills and etiquette of dealing with customers, understanding needs & requirements, assessing the customer and perform Soft Skills effectively:
 - Videos of Trainees during OJT
 -
4. Assessment of each Module will ensure that the candidate is able to:
 - Effective engagement with the customers
 - Understand the working of various tools and equipment
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Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf