

## NSQF QUALIFICATION FILE

approved in the 28th NSQC Meeting – NCVET – 29th March 2023

### CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

**Name and address of submitting body:**

Agriculture Skill Council of India (ASCI)

6<sup>th</sup> floor, GNG Building, Plot No – 10, Sector- 44, Gurugram,  
Haryana – 122004

**Qualification Code**

**QG-4.5-AG-00379-2023-V1-ASCI**

### Name and contact details of individual dealing with the submission

**Name:** Ms Priyanka Prakash

**Position in the organisation:** Senior Manager – Standards & QA

**Address, if different from above**

**Tel number(s):** 0124 – 4670029/ 4814673/ 4814659

**E-mail address:** priyanka@asci-india.com

### List of documents submitted in support of the Qualifications File

1. Qualifications Pack – Annexure 1
2. Model Curriculum – Annexure 2
3. Industry Validations- Annexure 3

### Model Curriculum to be added which will include the following:

- Indicative list of tools/equipment to conduct the training
- Trainers qualification
- Lesson Plan
- Distribution of training duration into theory/practical/OJT component

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### SUMMARY

1	<b>Qualification Title</b>	Water Resource Coordinator
2	<b>Qualification Code, if any</b>	AGR/Q6606, v2.0
3	<b>NCO code and occupation</b>	NCO-2015/2142.1000, Watershed Management
4	<b>Nature and purpose of the qualification (Please specify whether qualification is short term or long term)</b>	<p>Nature of the qualification- a Qualification Pack (QP)</p> <p>The individual will be responsible for the development water resource projects and teams, building the technical capacities of water resource assistants, community mobilizers, and para geo-hydrologists</p>
5	<b>Body/bodies which will award the qualification</b>	Agriculture Skill Council of India (ASCI)
6	<b>Body which will accredit providers to offer courses leading to the qualification</b>	Agriculture Skill Council of India (ASCI)
7	<b>Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy)</b>	Yes (Annexure 3)
8	<b>Occupation(s) to which the qualification gives access</b>	Watershed Management
9	<b>Job description of the occupation</b>	A Water Resource Coordinator is responsible for coordinating water resource development projects, building the technical capacities of water resource assistants, community mobilizers, and para geo-hydrologists. The individual is also responsible for project monitoring and reporting. The person guides in the planning and implementation of watershed/ springshed/ groundwater resource planning and development.
10	<b>Licensing requirements</b>	NA
11	<b>Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)</b>	NA
12	<b>Level of the qualification in the NSQF</b>	Level 4.5
13	<b>Anticipated volume of training/learning required to complete the qualification</b>	<p>Minimum Duration: 480 Hours Maximum Duration: 540 Hours</p> <p>Compulsory Modules: 390 Hours (Theory: 150 Hours, Practical: 150 Hours, ES: 90)</p>

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		Hours)  Three Elective Module each of 30 Hours (Theory: 10 Hours & Practical: 20 Hours)  OJT: 60 Hours
14	<b>Indicative list of training tools required to deliver this qualification</b>	Attached herewith
15	<b>Entry requirements and/or recommendations and minimum age</b>	Completed 1st year of UG OR Pursuing 1st year of UG and continuous education OR Pursuing 3rd year of 3-year diploma after 10th and continuous education OR Completed 3-year diploma after 10th OR Completed 2nd year of 2-year diploma after 12th OR Pursuing 2nd year of 2- year diploma after 12th and continuous education OR Previous relevant qualification of NSQF Level 3.5 and with minimum education as 8th grade pass with 3 years of experience OR Previous relevant qualification of NSQF Level 4 and with minimum education as 8th grade pass with 1.5 years of experience Age – 21 Years
16	<b>Progression from the qualification (Please show Professional and academic progression)</b>	Water Resource Supervisor (NSQF Level -5.5)
17	<b>Arrangements for the Recognition of Prior learning (RPL)</b>	RPL assessment will be as per normal ASCI assessment process.  (ASCI recognizes that there may be candidates who have prior learning experience in the Agriculture Sector and are desirous of being certified. Such candidates can apply to ASCI for testing and certification of their skills. Training Partners will be responsible for identifying and counselling candidates for RPL through mobilization camps and advertisements. The details of the RPL process have been defined by ASCI under the document- Guidelines for Recognition of Prior

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		Learning under PMKVY).		
18	International comparability where known (research evidence to be provided)	Not done as yet		
19	Date of planned review of the qualification.	3 years post NSQC Approval		
20	Formal structure of the qualification Mandatory components			
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)		Leve I
		Theory	Practical	
(i)	Introduction (Bridge Module)	05	00	
(ii)	AGR/N6644: Support in managing the water resource development projects and teams	50	35	4.5
(iii)	AGR/N6637: Build technical capacities of water resource assistants, community mobilizers and para geo-hydrologists	45	45	4.5
(iv)	AGR/N6646: Perform project monitoring and reporting	45	45	4.5
(v)	AGR/N9903: Maintain health and safety at the workplace	05	25	4
(vi)	DGT/VSQ/N0103: Employability Skills (90 Hours)	90	00	4
	Sub Total (A)	240	150	
Elective Components				
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)		Leve I
		Theory	Practical	
(vii)	Elective 1: Watershed AGR/N6647: Guide in watershed planning and implementation	10	20	4.5
(viii)	Elective 2: Springshed AGR/N6648: Guide in springshed planning and implementation	10	20	4.5
(ix)	Elective 3: Groundwater AGR/N6649: Guide in the planning and implementation of groundwater resource development	10	20	4.5
	SubTotal (B)	30	60	
	Total (A+B)	270	210	
OJT: 60 Hours				

**SECTION 1**  
**ASSESSMENT**

21	<p><b>Body/Bodies which will carry out assessment:</b></p> <p>ASCI affiliated assessment bodies.</p> <ol style="list-style-type: none"><li>1. SHL India (Pvt.) Ltd</li><li>2. Trendsetters Skill Assessors Pvt Ltd</li><li>3. Mercer-Mettl</li><li>4. SP Institute of Workforce Development (SPIWD)</li><li>5. MSAG SI LLP</li></ol> <p>More Assessment Agencies are being empanelled to cover wider geographical area</p>
22	<p><b>How will RPL assessment be managed and who will carry it out?</b></p> <p>RPL will be based on the same approved Qualification Pack and Assessment Criteria mentioned in the Qualification Pack and will be carried out as per normal ASCI assessment process. The Training Partner or any other authority as prescribed by the Steering Committee will identify and counsel candidates eligible for RPL through mobilization camps and advertisements. The mobilized candidates can be counselled, oriented about the standardized NSQF framework and basis their existing competency will be mapped against the suitable level of the concerned Job role for assessments. The candidates enrolled will be assessed by the Assessment Agency affiliated with the Sector Skill Council on the basis of assessment criteria decided by Sector Skill Council (SSC). The candidate will need to pass in the minimum assessment criteria of a particular QP decided by the SSC. Successfully assessed candidates with a valid Aadhaar or alternate ID (as per process) will be eligible for QP-NOS based Certification.</p>
23	<p><b>Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.</b></p> <p>A robust technology enabled assessment methodology has been designed keeping in mind the geographical/Physical constraints and target segment which assess a trainee's knowledge and skill set through three methods:</p> <ol style="list-style-type: none"><li>a. An offline Tablet based test through the use of Multiple Choice Text and Picture based questions in vernacular languages</li><li>b. Actual demonstration on the field</li><li>c. Viva</li></ol> <p><b>ASCI's assessment strategy:</b></p> <ul style="list-style-type: none"><li>● Question sets are developed as per the weightage of each NOS of the Qualification Pack.</li><li>● Assessment criteria for each Qualification Pack developed, in which</li></ul>

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	<p>each Performance criteria (PC) assigned marks based on NOS</p> <ul style="list-style-type: none"><li>• Question Bank is developed to assess the theoretical and practical knowledge. To ensure the quality, each trainees get different set of question</li><li>• Empanelment of subject matter expert as assessor primarily from the Industry to assess trainee specifically on practical skills as per Industry demands</li></ul> <p>Assessments are preferably conducted on tablets or pen or papers in regional languages according to the requirement.</p>
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Please attach most relevant and recent documents giving further information about assessment and/or RPL.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

### ASSESSMENT EVIDENCE

**Complete a grid for each component as listed in “Formal structure of the qualification” in the Summary.**

*NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – i.e. Learning Outcomes to be assessed, assessment criteria and the means of assessment.*

#### 24. Assessment evidences

**Title of Component:**

Outcomes to be assessed/ NOSs to be assessed	Assessment criteria for the outcome

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<b>Means of assessment 1</b>
<b>Pass/Fail</b>

NSQC Approved

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**Job Role:** Water Resource Coordinator

**Qualification Pack:** AGR/Q6606, v2.0

**Sector Skill Council:** Agriculture Skill Council of India

### **Assessment Guidelines:**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.

In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>AGR/N6644: Support in managing the water resource development projects and teams</b>				
<i>Support in managing the water resource development teams</i>	<b>15</b>	<b>22</b>	<b>-</b>	<b>15</b>
PC1. allocate work responsibilities to water resource assistants, community mobilizers, para geo-hydrologists, facilitators, etc.	-	-	-	-
PC2. plan the schedule of work for team members to be carried out periodically	-	-	-	-
PC3. identify the training needs of team members based on their job role	-	-	-	-
PC4. organize training and exposure visits for team members to enhance their knowledge, skills and attitude	-	-	-	-
PC5. conduct periodic team meetings to plan and review work	-	-	-	-



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PC6. evaluate the performance of team members periodically and support them to improve their performance	-	-	-	-
PC7. carry out the administrative functions, such as maintaining team member attendance and leave records, giving different kinds of approvals, etc.	-	-	-	-
PC8. identify and resolve conflicts among the team members	-	-	-	-
<i>Handhold the team and project implementing committees</i>	<b>15</b>	<b>18</b>	-	<b>15</b>
PC9. execute the formal processes and procedures laid down by the project	-	-	-	-
PC10. ensure the transparency of processes, plan and achievement in physical and financial terms in the project	-	-	-	-
PC11. facilitate the visits of various stakeholders, such as funding agencies, government officials, etc.	-	-	-	-
PC12. organize learning workshops and events for the team members and committee members	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N6637: Build technical capacities of water resource assistants, community mobilizers and para geo-hydrologists</b>				
<i>Assist in preparing for the training</i>	<b>14</b>	<b>18</b>	-	<b>14</b>
PC1. conduct a need assessment in the learners' project areas	-	-	-	-
PC2. assist in preparing the training modules and calendar	-	-	-	-
PC3. assist in preparing the training material, e.g. presentations, posters, reference booklets, etc.	-	-	-	-
PC4. ensure appropriate arrangements for the training, e.g. audio-visual aids, projector, training hall, seating arrangement, stationery, whiteboard, chart paper, refreshments, and appropriate health and safety facilities	-	-	-	-
PC5. liaise with the relevant stakeholders, such as line department officials and panchayat representatives, to ensure appropriate arrangements for the training	-	-	-	-
<i>Deliver the training</i>	<b>16</b>	<b>22</b>	-	<b>16</b>

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PC6. mobilize the learners and organize them into batches for the training	-	-	-	-
PC7. conduct training for the learners, following an appropriate training method, such as classroom training or field demonstration	-	-	-	-
PC8. ensure to take feedback from the cadre after training to identify the scope of improvement	-	-	-	-
PC9. maintain the relevant evidence concerning the delivery of training, e.g. participant registration, photographs, bills, etc.	-	-	-	-
PC10. prepare the training report and submit it to the relevant authority	-	-	-	-
PC11. ensure regular interaction with the learners virtually to resolve any issues experienced after the training	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N6646: Perform project monitoring and reporting</b>				
<i>Monitor the project regularly</i>	<b>18</b>	<b>24</b>	<b>-</b>	<b>18</b>
PC1. design appropriate formats, templates and frameworks to conduct regular monitoring	-	-	-	-
PC2. conduct regular monitoring to ensure good quality implementation of physical structures	-	-	-	-
PC3. monitor the physical and financial progress of the project, based on the project milestone and budget	-	-	-	-
PC4. monitor the project spending to ensure it is according to the project budget	-	-	-	-
PC5. monitor and analyse the performance of field functionaries	-	-	-	-
PC6. apply necessary changes in program design, capacity building and other areas based on the feedback from field functionaries	-	-	-	-
<i>Report the project progress</i>	<b>12</b>	<b>16</b>	<b>-</b>	<b>12</b>
PC7. establish the prescribed record-keeping system to maintain the project records	-	-	-	-
PC8. ensure to take the relevant data/report(s) from the field functionaries	-	-	-	-

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PC9. prepare the periodic physical and financial reports and submit them to the relevant authority	-	-	-	-
PC10. establish a system for monitoring the project impact and prepare the project impact report				
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N9903: Maintain health and safety at the workplace</b>				
<i>Maintain personal hygiene</i>	<b>10</b>	<b>5</b>	<b>-</b>	<b>10</b>
PC1. wash hands, legs and face with soap/alcohol-based sanitiser at reasonable intervals	-	-	-	-
PC2. wash the worn clothes with soap and sun-dry before use next time	-	-	-	-
PC3. ensure the face is covered with a mask or three layers of cloth-piece	-	-	-	-
PC4. follow the workplace sanitization norms including distancing from sick people	-	-	-	-
<i>Maintain a clean and safe workplace</i>	<b>15</b>	<b>15</b>	<b>-</b>	<b>15</b>
PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. wear appropriate personal protective equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc. to avoid hazards	-	-	-	-
PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. dispose waste safely and correctly in the designated area	-	-	-	-
PC12. recognize risks to bystanders and take the required action to reduce the risks	-	-	-	-

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PC13. work in a manner that minimises environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. report any accidents, incidents or problems without delay to an appropriate person and take	-	-	-	-
PC15. follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	<b>15</b>	<b>5</b>	-	<b>10</b>
PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of the emergency, as per the workplace requirements	-	-	-	-
PC17. use emergency equipment in accordance with the manufacturer's specifications and workplace requirements	-	-	-	-
PC18. report provided treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
PC20. report details of first aid administered in accordance with workplace procedures	-	-	-	-
<b>NOS Total</b>	<b>40</b>	<b>25</b>	-	<b>35</b>
<b>AGR/N6647: Guide in watershed planning and implementation</b>				
<i>Read and analyse the relevant maps</i>	<b>9</b>	<b>15</b>	-	<b>9</b>
PC1. read and analyse the toposheet, cadastral, spatial and other thematic maps	-	-	-	-
PC2. demarcate the watershed boundary on toposheet	-	-	-	-
PC3. calculate the watershed area on the toposheet	-	-	-	-
<i>Guide in watershed planning and preparing the DPR</i>	<b>11</b>	<b>10</b>	-	<b>11</b>
PC4. ensure the use of relevant maps in watershed planning	-	-	-	-

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PC5. guide the field functionaries in conducting the field survey, selecting the appropriate site and estimating the applicable costs for watershed planning	-	-	-	-
PC6. ensure the availability of the relevant types of data for preparing the DPR	-	-	-	-
PC7. supervise the detailed technical surveys, such as L-section, cross-section, and estimation of major water harvesting structures	-	-	-	-
PC8. ensure the assessment of water quality as per the applicable method	-	-	-	-
PC9. guide the compilation and analysis of relevant data for the preparation of DPR	-	-	-	-
PC10. guide in finalizing the design and structure and preparing the design estimates	-	-	-	-
PC11. ensure effective provisions for monitoring the physical and financial progress of the project and the impact of interventions on the underprivileged sections of the community	-	-	-	-
<i>Guide in the implementation of watershed project</i>	<b>10</b>	<b>15</b>	-	<b>10</b>
PC12. ensure the field functionaries understand the DPR and it is presented to the community and watershed committee	-	-	-	-
PC13. guide the preparation of the seasonal calendar for the implementation of watershed interventions	-	-	-	-
PC14. ensure effective worksite management, including work allotment and labour management	-	-	-	-
PC15. supervise the maintenance of relevant records, preparation of work completion report and payment sheet, and disbursement of wages	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>
<b>AGR/N6648: Guide in springshed planning and implementation</b>				
<i>Arrange and analyse the relevant maps</i>	<b>11</b>	<b>15</b>	-	<b>10</b>
PC1. arrange the relevant maps for analysis	-	-	-	-
PC2. analyse the maps and record the findings for the team	-	-	-	-

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PC3. ensure the correct demarcation of springshed boundary and calculation of springshed area	-	-	-	-
<i>Guide in springshed planning and preparing the DPR</i>	<b>10</b>	<b>13</b>	-	<b>11</b>
PC4. ensure the use of appropriate maps in springshed planning	-	-	-	-
PC5. guide the field functionaries to ensure correct baseflow measurement, field survey, site selection and cost estimation	-	-	-	-
PC6. ensure the availability of different types of data for the preparation of DPR	-	-	-	-
PC7. supervise the detailed technical surveys for spring chamber, catchment protection measures, diversion-based water distribution system, and estimation of different water conservation and distribution structures	-	-	-	-
PC8. ensure the assessment of water quality as per the prescribed procedure	-	-	-	-
PC9. guide the compilation and analysis of data for DPR preparation	-	-	-	-
PC10. guide in finalizing the design and structure and preparing the design estimates	-	-	-	-
PC11. ensure effective provisions for monitoring the physical and financial progress of the project and the impact of interventions on the underprivileged sections of the community	-	-	-	-
<i>Guide in the implementation</i>	<b>9</b>	<b>12</b>	-	<b>9</b>
PC12. ensure the field functionaries understand the DPR and it is presented to the community and springshed committee	-	-	-	-
PC13. supervise the preparation of the seasonal calendar for the implementation of springshed interventions	-	-	-	-
PC14. ensure effective worksite management, including layout marking, labour management, work allotment, measurements, etc.	-	-	-	-
PC15. supervise the maintenance of relevant records, verification of work completion, preparation of work completion	-	-	-	-

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report and payment sheet and disbursement of wages				
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N6649: Guide in the planning and implementation of groundwater resource development</b>				
<i>Arrange and analyse the relevant maps</i>	<b>7</b>	<b>9</b>	<b>-</b>	<b>6</b>
PC1. arrange the relevant maps, such as the aquifer, geological, cadastral, spatial and other thematic maps for analysis	-	-	-	-
PC2. analyse the water table contour lines	-	-	-	-
<i>Guide in groundwater resource development planning</i>	<b>7</b>	<b>12</b>	<b>-</b>	<b>7</b>
PC3. ensure the use of different maps for groundwater resource development planning	-	-	-	-
PC4. supervise the process of field survey, site selection and cost estimation	-	-	-	-
PC5. ensure the assessment of water quality as per the prescribed procedure	-	-	-	-
PC6. guide the process of carrying out the well inventory	-	-	-	-
PC7. guide in finalizing the design and structure and preparing the design estimates	-	-	-	-
PC8. ensure effective provisions for monitoring the physical and financial progress of the project and the impact of interventions on the underprivileged sections of the community	-	-	-	-
<i>Guide in preparing the DPR</i>	<b>8</b>	<b>10</b>	<b>-</b>	<b>9</b>
PC9. ensure the availability of different types of data for the preparation of DPR	-	-	-	-
PC10. supervise the technical surveys for recharge and discharge structures, catchment protection measures, water distribution/ sharing system, and estimation of different water conservation and distribution structures	-	-	-	-
PC11. guide in the compilation and analysis of data for DPR preparation	-	-	-	-
<i>Guide in the implementation</i>	<b>8</b>	<b>9</b>	<b>-</b>	<b>8</b>



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PC12. ensure the field functionaries understand the DPR and it is presented to the community and groundwater management committee or other relevant committees	-	-	-	-
PC13. guide the preparation of the seasonal calendar for the implementation of groundwater resource development interventions	-	-	-	-
PC14. guide the field functionaries in worksite management, i.e. layout marking, labour management, work allotment, measurements, etc.	-	-	-	-
PC15. guide the field functionaries in maintaining different records, such as the cashbook, ledger, stock register, attendance sheet, measurement book, etc.	-	-	-	-
PC16. assist in the verification of completion of work and prepare the work completion report	-	-	-	-
PC17. assist in the preparation of payment sheet and disbursement of wages	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>Employability Skills – NOS (60 hours)</b>				
<i>Introduction to Employability Skills</i>	<b>1</b>	<b>1</b>	-	-
PC1. Identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals.	-	-	-	-
<i>Constitutional values – Citizenship</i>	<b>1</b>	<b>1</b>	-	-
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>2</b>	<b>4</b>	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as Self-Awareness, Behavior Skills, time	-	-	-	-



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management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life				
<i>Basic English Skills</i>	<b>2</b>	<b>3</b>	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development &amp; Goal Setting</i>	<b>1</b>	<b>2</b>	-	-
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	<b>2</b>	<b>2</b>	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>2</b>	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>2</b>	<b>3</b>	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely.	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc.	-	-	-	-

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PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	<b>3</b>	<b>4</b>	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-
<i>Entrepreneurship</i>	<b>2</b>	<b>3</b>	-	-
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion.	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	<b>1</b>	<b>2</b>	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship &amp; Jobs</i>	<b>2</b>	<b>3</b>	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-

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PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>30</b>	<b>-</b>	<b>-</b>

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### SECTION 2

#### EVIDENCE OF LEVEL

#### OPTION B

Title/ Name of qualification/ component: Water Resource Coordinator			Level: 4.5
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none"><li>• Support in managing the water resource development projects and teams</li><li>• Build technical capacities of water resource assistants, community mobilizers, para geo-hydrologists, and facilitators</li><li>• Perform project monitoring and reporting</li><li>• Maintain health and safety at the workplace</li><li>• Planning and implementation of watershed/ springshed/ groundwater resource planning and development.</li></ul>	A Water Resource Coordinator is responsible for coordinating water resource development projects, building the technical capacities of water resource assistants, community mobilizers, and para geo-hydrologists. The individual is also responsible for project monitoring and reporting. The person guides in the planning and implementation of watershed/ springshed/ groundwater resource planning and development.	4.5
Professional knowledge	<ul style="list-style-type: none"><li>• Knowledge of effective project management practices</li><li>• Understand how to prepare composite maps</li><li>• Know different methods of data analysis and the tools required</li><li>• Know how to draw graphs</li><li>• Understand the process of allocating work responsibilities to water resource assistants, community mobilizers, para geo-hydrologists, facilitators</li><li>• Know the importance of reviewing work through regular team meetings</li></ul>	The job holder is expected to have knowledge of effective project management practices, prepare composite maps, draw graphs, allocating work responsibilities to water resource assistants, community mobilizers, para geo-hydrologists, facilitators, reviewing work through regular team meetings, preparing and compiling the relevant training reports	4.5

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	<ul style="list-style-type: none"><li>• Understand the role and background of learners</li><li>• Know how to conduct classroom/ virtual/ practical training</li><li>• Knowledge of preparing and compiling the relevant training reports</li><li>• Know different ways of conducting IEC activities and the materials used</li><li>• Understand technical specifications of different water conservation structures</li></ul>		
Professional skill	<ul style="list-style-type: none"><li>• Conduct periodic team meetings to plan and review work</li><li>• Carry out the administrative functions</li><li>• Execute the formal processes and procedures laid down by the project</li><li>• Facilitate the visits of various stakeholders</li><li>• Prepare the training material</li><li>• Prepare and finalize the budget for the training and coordinate with the relevant authority to get approval</li><li>• Prepare and compile the training reports and submit them to the relevant authority</li><li>• Monitor the physical and financial progress of the project</li><li>• Prepare the periodic physical and financial reports and submit them to the relevant authority</li><li>• Use water and other resources optimally in various tasks and processes</li><li>• Ensure the use of relevant maps in watershed planning</li></ul>	The job holder is expected to coordinate in conducting periodic team meetings to plan and review work, carrying out the administrative functions, executing the formal processes and procedures laid down by the project, facilitating the visits of various stakeholders, ensuring the use of relevant maps in watershed planning, springshed planning, and groundwater resource development planning	4.5

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	<ul style="list-style-type: none"> <li>• Ensure the use of appropriate maps in springshed planning</li> <li>• Ensure the use of different maps for groundwater resource development planning</li> </ul>		
Core Skills	<ul style="list-style-type: none"> <li>• Coordinating with the field team to execute water resource development projects</li> <li>• Building the technical capacities of the water resource assistants, community mobilizers and para geo-hydrologists,</li> <li>• Performing project monitoring and reporting with respect to the progress in water resource planning and implementation</li> <li>• Maintaining health and safety of self and other co-workers at the workplace</li> <li>• Assisting in delineation, preparing the Detailed Project Report (DPR), and implementing the springshed interventions</li> <li>• Assisting in aquifer mapping, preparing the Detailed Project Report (DPR), and implementing the groundwater resource development interventions</li> </ul>	The job holder is expected to coordinate with the field team to execute water resource development projects, building the technical capacities of the water resource assistants, community mobilizers, para geo-hydrologists, performing project monitoring and reporting with respect to the progress in water resource planning and implementation	4.5
Responsibility	<p>The Individual Will Responsible for below mention activities:</p> <ul style="list-style-type: none"> <li>• Coordinate with the water resource development teams</li> <li>• Handhold the team and project implementing committees</li> <li>• Prepare for the training</li> <li>• Deliver the technical training</li> </ul>	A Water Resource Coordinator is responsible for coordinating water resource development projects, building the technical capacities of water resource assistants, community mobilizers, and para geo-hydrologists. The individual is also responsible for project monitoring and reporting. The person guides in the planning and implementation of watershed/ springshed/ groundwater resource planning and	4.5

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	<ul style="list-style-type: none"><li>• Monitor the project regularly</li><li>• Report the project progress</li><li>• Optimise resource utilisation</li><li>• Perform waste management</li><li>• Practice inclusion at work</li><li>• Arrange and analyze the relevant maps</li><li>• Guide in watershed planning and preparing the DPR</li><li>• Guide in the implementation</li><li>• Guide in springshed planning and preparing the DPR</li><li>• Guide in groundwater resource development planning</li></ul>	development.	
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**SECTION 3****EVIDENCE OF NEED**

<b>26</b>	<b>What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?</b>
<b>Basis</b>	
Need of the qualification	<p>While collecting data from the companies for the occupational map, we also took feedback from industry, training institutions which was collected with respect to roles for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the industry feels they face. Governing council of ASCI and Occupational Standards Committee which comprises of experts &amp; senior leaders gave final approval and endorsement for the same.</p> <p>The Department of Land Resources, Ministry of Rural Development is implementing the Integrated Watershed Development Programme (IWMP) from 2009-10 with an objective to cover 55 million hectare of rain fed land by 2027. The program is being implemented in all the states of the country. The programme is financed by central and state government in the ratio of 90:10. The IWMP is the second largest watershed programme in the world after China. Watershed management helps to control pollution of the water and other natural resources in the watershed. Haryali is a watershed development project sponsored by the Central Government which aims at enabling the rural population to conserve water for drinking, irrigation, fisheries and afforestation. The Project is being executed by Gram Panchayats with people's participation.</p> <p>Employment opportunities for the community members are increased with better wage earnings in construction work during pre-watershed and engagement in the agricultural field during post watershed programmes.</p> <p>The overall attributes of the watershed development approach, by and large, are three-fold, viz. promoting economic development of the rural area, employment generation, and restoring ecological balance.</p> <p>Agriculture is the largest sector for employment in India.</p>
Industry Relevance	Foundation for Ecological Security, Arghyam, Water for People India, Meghalaya Basin Management Agency, Directorate of Soil Conservation & Watershed Development, Department of Agriculture & Farmers' Empowerment, Government of Odisha, Prof (Dr) Uday Shankar Saha (Watershed Expert)



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Usage of the qualification	<p>An NSQF aligned training to the persons involved in grooming of <b>Water Resource Coordinator</b> shall provide opportunities to the incumbents for horizontal and vertical career progression. Competency-based training shall imbibe professionalism in the job-role. Being an important and ever-expanding job, the job-role of Water Resource Coordinator may well be included in the vocational education stream of school education.</p> <p>An industry-determined specification of performance, sets out the skills, knowledge and attitudes required to operate effectively in employment.</p> <p>For employers, the <b>Water Resource Coordinator</b> Qualification standards offer:</p> <ul style="list-style-type: none"><li>• a means of assessing occupational competence objectively, including knowledge and understanding of the subject</li><li>• a guide for job descriptions and recruitment requirements</li><li>• a basis for staff appraisals</li><li>• a systematic approach to analyzing training needs</li><li>• an opportunity to improve overall company performance by developing a better-trained, better-equipped and more effective workforce.</li></ul> <p>To employees and freelancers, the <b>Water Resource Coordinator</b> Qualification standards provide:</p> <ul style="list-style-type: none"><li>• a means for recognizing ability</li><li>• a means for determining gaps in knowledge, experience and skills</li><li>• an objective process for identifying training needs</li><li>• performance indicators and a guide to effectiveness and efficiency.</li></ul> <p>One of the most valuable uses of the occupational standards is in the assessment of a person's performance within a particular job. Because the standards are based on the industry's requirements for ability, skills and knowledge, they provide an objective and directly relevant measure for employers and employees alike.</p>								
	<p>The Qualification Pack shall also be helpful in conducting Recognition of Prior Learning of the Water Resource Coordinator</p>								
Estimated uptake	<table><tr><th>QP/Job Role Name</th><th>"States where Demand exist</th><th>"District where Demand exist</th><th>Projections for the next 3 years</th></tr><tr><td>Water Resource Coordinator</td><td>PAN INDIA</td><td>Various Districts</td><td>3000</td></tr></table>	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years	Water Resource Coordinator	PAN INDIA	Various Districts	3000
QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years						
Water Resource Coordinator	PAN INDIA	Various Districts	3000						

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27	<b>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences</b> In Process
28	<b>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</b> This is the revised version of the already NSQC approved QP of Watershed Engineer (NQR – 2019/AGR/ASCI/03091). The revision has been undertaken as the QP is going to expire soon.
29	<b>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? Specify the review process here</b> Any institution or individual is welcome to send the feedback, which is recorded and considered during next review cycle. Communication will be sent for any feedback to all the main stakeholders/users one month prior to the review of the qualifications pack. A formal review is scheduled in three years.

Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information

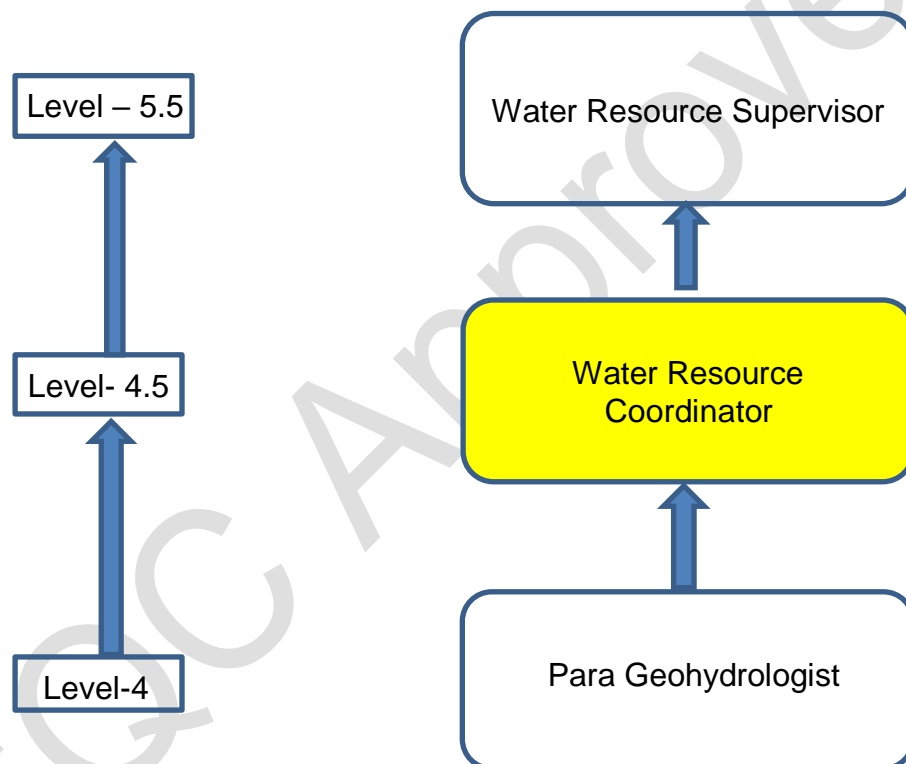
**SECTION 4****EVIDENCE OF PROGRESSION****30**

**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?**

***Show the career map here to reflect the clear progression***

Career path in the agriculture sector is generally in terms of activities done & ownership of responsibility because they are primarily self-wage employment/ entrepreneurship roles.

**Annexure 1: Career Map of Water Resource Coordinator**



Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.