

NATIONAL COUNCIL FOR VOCATIONAL EDUCATION & TRAINING (NCVET)

AGENDA for 3rd Meeting of NATIONAL SKILLS QUALIFICATION COMMITTEE (NSQC)

Date: 20th November 2020

Time: 11. 00 am

TABLE OF CONTENTS

AGENDA ITEM NO.	PARTICULARS	PAGE NO.
1	Confirmation of the Minutes of 2 nd Meeting of NSQC under NCVET (22.09.20)	1
2	Action Taken Report on the decisions taken in 2 nd Meeting of NSQC under NCVET	1
3	Qualifications submitted for NSQF alignment	3
4	Apprenticeship in Optional Trade	4
5	Validity of NSQC Decisions for Submitting Body	6
6	Line Ministry Concurrence	6
7	Any other item, with permission of Chair	7
I	Annexure: List of files conditionally approved and status of compliance	8
II	Annexure: Summary of qualifications placed for approval of NSQC	9
III	Annexure: Details of Qualification for approval under NAPS	30

AGENDA ITEM 01: CONFIRMATION OF MINUTES OF 2nd MEETING of NSQC HELD ON 22nd September 2020

The Minutes of the 2nd meeting of NSQC held on 22nd September 2020 are placed for approval of the Committee.

AGENDA ITEM 02: ACTION TAKEN REPORT ON THE DECISIONS MADE IN 2nd MEETING of NSQC

<u>S.No</u>	Agenda Item	Decision taken in NSQC	Action Taken
	Item No. 3: Qualification Submitted for NSQF Alignment		
	II: Qualifications by SSC		
	i. Automotive SSC	All 3 files were approved subject to change in entry requirements for both 'Four Wheeler and Two Wheeler Service Technician' qualifications as follows: - • 10th pass/NSQF certificate at the assistant level + 2 years of experience OR • ITI Motor mechanic with no experience required	Changes have been made by the submitting organisation as per the NSQC decision, however the SSC is asking for an exemption of experience for 10th pass in entry requirements for these courses which are running in the schools.
	iii. Gems and Jewellery SSC	The file of Assayer was conditionally approved subject to complying with suggestions of national Diamond Institute which were: 1. 'Hallmarking' which was included in the qualification required BIS certification. 2. The detailed Potentiometric Equipment list was not included in the qualification.	The revised file from the SSC is awaited
	iv. NASSCOM SSC	9 revised files were conditionally approved subject to addition of previous level certification, wherever applicable, as an option in the entry requirement	Updated files awaited from NASSCOM even after multiple reminders
	v. Life Sciences SSC	One new file of 'Effluent Treatment Plant Operator' conditionally approved qualification subject to change in the qualification name to "Effluent Treatment Plant Operator – Life	Qualification File uploaded on NQR

		Sciences (Pharma, Biopharma and Research)”. NSQC suggested:	
	Item No. 4: Industry validation required for qualifications of various sectors	i. NCVET may formulate a sub-committee to prepare a concept note on Industry validation and related mechanisms. ii. NCVET may consider formulating sectoral/expert committees for giving advice on the suitability of the qualification for industry and the competencies the trainees are expected to have at the end of the training. The existing sectoral committees of DGT may be taken on board by NCVET. iii. The distinction of small, medium and large industries may be done away with. iv. Till such time a final view is taken on the number of industry validations required, the existing practice of seeking 30 validations shall continue. In case any awarding body is not able to provide 30 validations, they should provide valid justification in writing at time of the submission itself.	i. Sub-Committee comprising of members from industry and other relevant stakeholder is in process of being formulated. ii. Communication sent to DGT for utilising their sectoral committee for NSQF related matters. NCVET however, is also in process of formulating its own sectoral committee. iii. for seeking industry validations, distinction of small, medium and large has been removed
	Item No. 5: Additional Agenda Items		
	1. Approval of 3 files of agriculture SSC conditionally approved in 1st meeting of NSQC	NSQC approved 3 files of Agriculture SSC namely ‘Coldwater Aquaculture Farmer’, ‘Seaweed Cultivator’ and ‘Cage Culture Fish Farmer’	Being Uploaded
	2. In-principle approval of 2 qualifications of MoRD	Two Qualifications ‘Pashu Mitra’ and ‘Matsya Mitra’ accorded in-principle approval subject to MoRD submitting validations within two months of approval pending which the approval shall be withdrawn.	MoRD has been informed of their pending Compliance. Documents are awaited. In terms of NSQC approval, these 2 qualifications will stand withdrawn after expiry of 2 months timeline i.e 22.11.2020.
	4. Issue related to 3 conditionally approved files of DGT, in the 24th NSQC.	The 3 files namely ‘Health Sanitary Inspector’, ‘Health, Safety and Environment’ and ‘Old Age Care’ of DGT relating to healthcare sector were accorded conditional	Letter has been sent from MSDE to MoH&FW in this regard.

		approval in the 24th meeting of NSQC held on 27th February 2020 subject to concurrence from MoH&FW. DGT submitted that in spite of their repeated efforts they were unable to resolve the issue with MoH&FW and requested NSQC to approve these 3 files. Chairman, NSQC suggested that a letter may be sent by MSDE to Secretary, MoH&FW to expedite the matter. NCVET also agreed to facilitate a discussion with MoH&FW	
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Status of compliance of all files approved conditionally in 2nd NSQC is at Annexure I.

AGENDA ITEM NO 03: QUALIFICATIONS SUBMITTED FOR NSQF ALIGNMENT

- I. A total of 113 files were received by NCVET from 16th July 2020 to 30th September 2020, for NSQF alignment. The breakup of the files received, **at a glance**, is as under:
 - Total Files received from 16th July 2020 to 30th September 2020: 113(56 New and 57 revised- 24: MOEF&CC, 18: NASSCOM, 15: NIELIT)
 - Files dropped after various rounds of scrutiny: 44 (10 New from ITDA, Uttarakhand, 3 New from SVSU, 2 New from Mining SSC and 18 revised from NASSCOM and 11 revised files of NIELIT as they were found incomplete on account of furnishing supporting documents like Q-file, Model Curriculum, Industry validations and/ or evidence of need)
- II. In addition to this, 24 files of DGT were also received. Of these, 10 files have been scrutinized and are being considered for NSQC, the remaining 14 files are in process of scrutiny at NCVET and shall be taken up for approval.
- III. Files for consideration of NSQC: **79**(51 New and 28 Revised)

A snapshot of these 79 qualification files (including that of DGT) being placed for consideration of NSQC is as below:

CENTRAL MINISTRIES				
S. No	Name of the Submitting Body	New Files	Revised Files	Files for NSQC consideration
i.	DGT	33*		19*
ii.	NIELIT, MIETY		4	4
iii.	M/o Environment		24	24
iv.	M/o Agriculture	1		1
v.	Indian Navy, MoD	3		3

vi.	NFDC	2		2
	Total	39	28	53
SECTOR SKILL COUNCILS				
S.No	Name of the Submitting Body	New Files	Revised Files	Files for NSQC consideration
i.	Automotive SSC	9		9
ii.	Agriculture SSC	6		6
iii.	Instrumentation SSC	4		4
iv.	Healthcare SSC	4		4
v.	PwD SSC	1		1
vi.	Sports SSC	2		2
	Total	26		26
	Grand Total	65	28	79

* The 14 remaining files of DGT are under scrutiny at NCVET

A detailed list of these qualification files is at Annexure II

AGENDA 04: APPRENTICESHIP IN OPTIONAL TRADE

A. Fast track approval of “Optional Trades Curricula” by providing exemption in NSQF norms.

As per NSQC guidelines for approval of any Qualification Packs (QP) pertaining to SST and long-term courses following three approvals are mandatory.

- Evidence of need
- Validation from multiple industry and
- Line ministry approval.

The current proposal seeks exemption from industry validation and exemption from the line ministry approval in case of Optional Trades Curricula covered under the Apprentices Act 1961.

To promote apprenticeship and cover large number of enterprises, Optional Trade category was allowed to enterprises through the amendment of apprentices Act 1961 and its related Rules. As per the Apprentices Act, 1961/ Apprenticeship Rules 1992, establishments have broad discretion to design courses for training in an Optional Trade. They need to upload the syllabus and its duration on the apprenticeship portal (www.apprenticeshipindia.org) and then can conduct training programs for that Optional Trade.

Given that, these trades can be designed by establishments based on their individual demand, it may not possible for them to get 30 industry validations which are current requirement for all short-term training qualifications. Further, seeking line ministry approval maybe very cumbersome and would defeat the very purpose of introduction of optional trade category which is establishments specific. The NSQC earlier in February had given approval for experimental QPs but without government grant. This would not cover optional trade category which involves payment of stipend. Further, if establishments apply for financial support for stipends under National Apprenticeship Promotion

Scheme (NAPS), courses must be aligned to the National Skill Qualification Framework (NSQF). (NSQF Gazette Notification, 2013).

Submitted for deliberation and appropriate decision wrt exemptions from providing Industry Validation from multiple industry and Line Ministry approval for QPs for NSQF alignment of Optional Trade Curricula

B. Relaxation of experience required in minimum eligibility criteria for becoming an apprentice for Optional Trades under apprenticeship training

As per Apprenticeship Rules, 7 A following provision is given in terms of entry requirements:

- I. A person shall not be qualified for being engaged as an apprentice to undergo apprenticeship training in any optional trade, unless he-
 - a. Is not less than fourteen years of age, and for optional trades related to hazardous industries, not less than eighteen years of age; and
 - b. Satisfies such physical fitness as determined by the employer.
- II. The minimum educational qualification for person to undergo apprenticeship training in optional trade shall be fifth class pass.

Further as per NAPS guidelines, 2016, the apprenticeship training must be NSQF aligned to avail the benefits of government funding under the scheme. The Industry can also peg the Optional Trade curriculum to the existing QPs to enable easy alignment of the optional trade with NSQF. However, most of the NSQF aligned QPs have the minimum eligibility criteria defined along with a minimum experience required anything from 1 -3 years.

The QP-NOS are for specific job role and are usually implemented under Short Term Trainings (STT), which usually varies from 2-6 months. Since during this period no academic qualification or experience can be gained – the entry profile (Minimum Academic Qualification and Experience) is what industry norm is for that particular job role. Since QPs only cover the competency of that particular job role and not for the entire progression (Lower NSQF job roles), experience becomes a pre-requisite as the competencies are built over the trainee's existing knowledge and competencies.

As apprenticeship is the entry level job to learn the skills under supervision of an experienced industrial trainer/mentor and the apprentice gains experience throughout the training period which is fairly longer than the duration of short term training, a view need to be taken on the requirement of pre requisite of experience as per QPs for apprenticeship training.

Submitted for deliberation and appropriate decision wrt exemptions from need of work experience for the QP based optional trade curriculum under NAPS

C. APPROVAL OF NAPS FILE

Ford along with ASDC submitted a qualification named Vehicle Manufacturing Operations – An Integrated Approach to be run under apprenticeship program-optional trade. This Submitted body

has sought approval of NAPS qualification with exemptions from Industry validations, Line Ministry Concurrence and experience, as discussed in part (A) and (B) of this agenda item. The submitting body has also indicated that the qualification is of importance and is needed in order to:

- To enhance diversity in Apprenticeship category by deploying women candidates and disabled the program was initiated by Ford Motors India
- As mostly women opt for non-automotive trades & there lies an opportunity to create a aforesaid course by imparting them basic automotive theory training and well-designed On-the-Job Training on Vehicle Manufacturing Operations.
- To provide an apprentice 360° exposure on vehicle manufacturing, which will help them to understand the car manufacturing and power train / engine assembly operations
- Post apprenticeship it is envisaged that candidates shall have a wider acceptance and demand for future employment opportunities with various automotive manufacturers

The details of the curriculum are as provided in the Annexure III.

Qualification file is placed for deliberation and appropriate decision of NSQC and to determine modalities for alignment and approval of files under NAPS in future.

AGENDA ITEM 05: VALIDITY OF NSQC DECISIONS FOR SUBMITTING BODY

NSQC in its various meeting takes multiple decisions wrt approval of an agenda and qualifications. At times these decisions are conditional and subject to fulfilment of certain conditions as laid down by NSQC.

It is however noted that at multiple instances, the submitting body does not take cognizance of the decisions taken by NSQC and hence the compliance of NSQC decision/s remains pending for long.

Since, it is the prime responsibility of the submitting body to ensure compliance with the decision of NSQC decisions; it is felt necessary that compliance of any decision of NSQC be completed before the next NSQC or within the timelines, unless otherwise specified. Also, if a body fails to comply with NSQC's decision even in the next NSQC meeting, the NSQC post that will reserve the right to retract from its earlier decision and cancel its approval, if deemed fit.

This is for discussion and appropriate decision of NSQC

AGENDA ITEM 06: LINE MINISTRY CONCURRENCE

In the 19th NSQC held on 5th Feb 2018, NSQC accorded approval for inclusion of line ministry concurrence as a compliance parameter in the Qualification File template. Subsequently, a letter was sent to all line Ministries for ensuring this compliance. Post 19th NSQC, it was made mandatory to have Line Ministry Concurrence for all the qualification files, submitted by bodies other than

Ministry/ Govt. Body/ States, before they were to be placed for NSQC. While discussing the matter in 20th NSQC held on 9th April 2018, the need for Line Ministry Approval was re-established by NSQC.

Since NSQC is a regular feature of erstwhile NSDA and now NCVET and having Line Ministry Approval on qualification is a mandatory criterion, timely involvement of Line Ministry is beneficial to have outcome supported and validated by the major stakeholder.

It is however noted that Line Ministries are not able to send their concurrence to the awarding body seeking so, in spite of a regular follow up by the Awarding body. This result in delaying of the process of NSQF alignment of qualifications as their compliance remains unfulfilled.

It is therefore proposed that subject to an Awarding Body submitting evidence of consultation with the concerned Line Ministry, the absence of concurrence from Line Ministry shall not be a ground for not approving or delaying the approval process of a Q-file. A line Ministry can be granted a period of 2-4 weeks in order to convey their concurrence or reservation after an awarding body writes to them for the same. However, if it comes to light that submitting body has failed to consult the line ministry, strict action shall be taken against the submitting body on account of furnishing incomplete information. Once NSQC approved such files, the concerned line Ministry shall be informed of the decision by NCVET.

This is for discussion and appropriate decision of NSQC

AGENDA ITEM 07: ANY OTHER ITEM WITH PERMISSION OF CHAIR

ANNEXURE I: LIST OF ALL FILES APPROVED CONDITIONALLY IN 2nd NSQC AND STATUS OF COMPLIANCE

S. No	Submitting Body	Name of the Qualification/ Job Role	Compliance Status
i.	MoRD	Pashu Mitra	Compliance pending
ii.		Matsya Mitra	Compliance pending
iii.	Automotive SSC	Four Wheeler Service Assistant	Compliance Complete
iv.		Four Wheeler Service Technician	Compliance Complete
v.		Two Wheeler Service Technician	Compliance Complete
vi.	NASSCOM- revised	AI - Data Quality Analyst	Compliance pending
vii.		AI - Business Intelligence Analyst	Compliance pending
viii.		AI - Data Scientist	Compliance pending
ix.		AI - Data Engineer	Compliance pending
x.		AI - Data Architect	Compliance pending
xi.		AI - Solution Architect	Compliance pending
xii.		Database Administrator	Compliance pending
xiii.		Devops Engineer	Compliance pending
xiv.		AI - Machine Learning Engineer	Compliance pending
xv.	Life Sciences	Effluent Treatment Plant Operator – Life Sciences (Pharma, Biopharma and Research)	Completed and file uploaded on NQR

ANNEXURE II: SUMMARY OF QUALIFICATIONS PLACED FOR APPROVAL OF NSQC

1. CENTRAL MINISTRIES

I. A. SUBMITTING BODY: DGT (FLEXI MOU), SECTOR: CAPITAL GOODS

S. No	Qualification Name	Occupation	Entry Requirements	Notional Hours	Proposed NSQF Level	Progression Pathway	Line Ministry Concurrence
i.	Fitter (OF)	FITTER (OF)	NCVT Certificate in the relevant trade for Govt Employees working in the OF and Minimum age 18 years	1200	4	As defined in the Recruitment Rules of Ordinance Factories.	NA
ii.	Turner (OF)	Turner (OF)	NCVT Certificate in the relevant trade for Govt Employees working in the OF and Minimum age 18 years	1200	4	As defined in the Recruitment Rules of Ordinance Factories.	NA
iii.	Machinist (OF)	Machinist (OF)	NCVT Certificate in the relevant trade for Govt Employees working in the OF and Minimum age 18 years	1200	4	As defined in the Recruitment Rules of Ordinance Factories.	NA
iv.	Grinder (OF)	Grinder (OF)	NCVT Certificate in the relevant trade for Govt Employees working in the OF and Minimum age 18 years	1200	4	As defined in the Recruitment Rules of Ordinance Factories.	NA
v.	Welder (OF)	Welder (OF)	NCVT Certificate in the relevant trade for Govt Employees working in the OF and Minimum age 18 years	900	4	As defined in the Recruitment Rules of Ordinance Factories.	NA

I. B. SUBMITTING BODY: DGT (CITS), SECTOR: CAPITAL GOODS

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
1	Lift & Escalator Mechanic.	Building and Related Electricians, other Manual Training Teacher/ Craft Instructor	Degree in Electrical/ Electrical and Electronics Engineering from AICTE/ UGC recognized engineering college/ university. OR Diploma in Electrical/ Electrical and Electronics Engineering from AICTE/ recognized board of technical education or relevant advanced Diploma (Vocational) from DGT. OR NTC/NAC passed in the Trade of & quot; Lift and Escalator Mechanic & quot;.	1600	6	1. Technical Instructor in a vocational training Institute/ technical Institution 2. Supervisor in Industries	NA
2	Fire Technology & Industrial Safety Management.	Manual Training Teacher/Craft Instructor Fire Fighters Fire Inspector	Degree in Fire & amp; Safety Engineering/ Fire Science from recognized Board / University. OR Advanced Post Graduate Diploma (Minimum 2 years) in Industrial Safety Engineering/ Fire and Industrial Safety Engineering / Health, Safety	1600	6	1. Technical Instructor in a vocational training Institute/ technical Institution 2. Supervisor in Industries	NA

			& Environment. OR NTC/ NAC in Fire Technology & Industrial Safety Management/ Fireman or related trade. OR Defence/Paramilitary forces Officer JCOs/NCOs. OR National Examination Board Occupational Safety and Health (NEBOSH)/ Occupational Safety and Health Administrator (OSHA) Certification with one-year experience in the relevant field. Minimum age 18 years				
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I.C. SUBMITTING BODY: DGT (CITS), SECTOR: CHEMICAL

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i	Chemical Plant Technology.	•Manual Training Teacher/ Craft Instructor •Mechanic Maintenance (Chemical Plant) •Laboratory Assistant, Physical •Laboratory Assistant, Chemical •Process Man, Chemical •Bearing Maintenance •Reactor Convertor Operator •Pump Man (Petroleum Refining) •Evaporator Operator •Continuous Still Operator, Petroleum •Crusher Operator, Chemical •Autoclave Operator •Batch Still Operator, Chemical •Continuous Still Operator, Chemical •Ammonia Operator/Ammonia Plant Operator	Diploma/Degree in Chemical Engineering from AICTE recognized Board / University OR NTC/ NAC in the Attendant Operator (Chemical Plant) or Maintenance Mechanic (Chemical plant) trade. Minimum age 18 years as on first day of academic session	1600	6	• Technical Instructor in a Vocational Training Institute/ technical Institution. • Supervisor in industries.	NA

		• Acid Plant Operator • Digester Operator, Paper Pulp • Mixing Machine Man Attendant (Chemical) • Filter Press Operator • Hydro Extractor Operator • Drying Chamber Attendant (Drugs)/Chamber Operators • Extraction Attendant, Chemical					
ii	Laboratory Assistant Chemical Plant.	• Manual Training Teacher/Craft Instructor • Laboratory Assistant, Chemical Laboratory • Laboratory Assistant, Glass and Ceramics • Laboratory Assistant, Chemical Engineering General • Laboratory Assistant, Petroleum and Lubricants • Laboratory Assistant, Metallurgical • Chemist, Analytical	Diploma/Degree in Chemical Engineering from AICTE recognized Board / University. OR National Trade Certificate in the Laboratory Assistant (Chemical Plant) trades. OR National Apprenticeship Certificate in the Laboratory Assistant (Chemical Plant) trades. Minimum age 18 years as on first day of academic session	1600	6	• Technical Instructor in a Vocational Training Institute/ technical Institution. • Supervisor in industries.	NA

I.D. SUBMITTING BODY: DGT (STC), SECTOR: AUTOMOTIVE

S.No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Diesel Engine Electronics Diagnostic Technician	Mechanic, Diesel Engine	Passed 10th Class Examination with CTS course in MMV & MD trade. Minimum age 14 years as on first day of academic session	240	5	Professional · Craftsman · Senior Craftsman · Supervisor · Manager · Entrepreneur	NA
ii.	Automotive Engine Electronics Diagnostic Technician (Petrol)	Mechanic, petrol Engine	Passed 10th Class Examination with CTS course in MMV trade. Minimum age 14 years as on first day of academic session	240	5	Professional · Craftsman · Senior Craftsman · Supervisor · Manager · Entrepreneur	NA

I.E. SUBMITTING BODY: DGT (STC), SECTOR: APPAREL

S.No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Clothing Artisan	Designer, Sewing Machine Operator	Passed 8th class examination. Minimum age 14 years as on first day of academic session	480	4	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur	NA
ii.	Digital Fashion Portfolio Designing	Fashion designer, Sampling Co-ordinator	NTC/NAC in Fashion Design Technology or Apparel sector trades. Or Degree/ Diploma	720	5	Professional • Craftsman • Senior Craftsman	NA

			(minimum one year) in Apparel sector. Minimum age 14 years			• Supervisor • Manager • Entrepreneur	
iii.	Aari & Zardosi Embroidery	Hand Embroider, Zari Embroider	Passed 8th class examination. Minimum age 14 years	320	4	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur	NA

I.F. SUBMITTING BODY: DGT (ATS), SECTOR: GREEN JOBS

S.No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF Level	Progression Pathway	Line Ministry Concurrence
i.	Wind Power Plant Technician (Electrical)	Power Production Plant Operators, Other	Passed 10th Class examination with science and mathematics or its equivalent	2580	4	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur Academic: can go for CITS, Diploma, Degree, PG	NA
ii.	Solar Technician (Electrical)	• Solar Panel Installation Technician • Solar Photo Voltaic System Installation Technician • PV System Installation Engineer • Module Assembly Technician	Passed 10th Class examination with science and mathematics or its equivalent	2580	4	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur Academic: can go for CITS, Diploma, Degree, PG	NA

I.F. SUBMITTING BODY: DGT (ATS), SECTOR: TEXTILES

S.No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Spinning Technician	Spinning Technician has a wide scope of Employability ranging from self-employment, contractual employment to Industrial jobs	Passed 10 th Class with Science and Mathematics under 10+2 system of Education or its equivalent	4120	5	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur Academic: can go for CITS, Diploma, Degree, PG	
ii.	Textile Wet Processing Technician		Passed 10 th Class under 10+2 system of Education or its equivalent	4120	5	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur Academic: can go for CITS, Diploma, Degree, PG	
iii.	Weaving Technician	Weaving Master Weaver, Handloom Weaver Power Loom Card Cutter		4120	5	Professional • Craftsman • Senior Craftsman • Supervisor • Manager • Entrepreneur Academic: can go for CITS, Diploma, Degree, PG	

II. SUBMITTING BODY: INDIAN NAVY, SECTOR: HYDROCARBON

S.No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	In Line Ministry Concurrence
i.	SCUBA Diver	Offshore Operations	Class XII / ITI (two years after class 10th)	232	5	Air Diver (55 Meter)	NA
ii.	BELL diver	Offshore Operations	Certificate-NSQF (Certified as Surface Supplied Air Diver with 100 dives totaling at least 100 hours dive time as Air Diver, comprising 80 dives of 06 – 15 metres and 20 dives of 15 metres and more) OR 12th (08 years as Indian Naval Clearance Diving Officer/ Indian Naval Clearance Diver Class II)	268	6	Air Diving Supervisor, Bell Diving Supervisor (Commercial Diving)	NA
iii.	Surface Supplied Air Diver	Offshore Operations	Certificate-NSQF (SCUBA Diver) OR 12th (08 years as Indian Naval Ships Diving Officer / Indian Naval Ship Diver/ Indian Naval Clearance Diving Officer/ Indian Naval Clearance Diver Class II.)	472	6	Bell Diver, Air Diving Supervisor	NA

III. SUBMITTING BODY: MINISTRY OF AGRICULTURE (1 NEW FILE), SECTOR: AGRICULTURE

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
1	Organic Farming Promoter/Manager	Organic Farming Promoter/Manager	Undergraduate in Science/Agriculture Sciences; 21 years	200	4	Organic Farmer/Consultant Farm Manager	Yes

IV. SUBMITTING BODY: MINISTRY OF ENVIRONMENT (24 REVISED FILES), SECTOR: ENVIRONMENT

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Certificate course on Biodiversity Conservation	Nature guides/ Eco-tourist guides/ Field Assistant/ Herbarium Assistant/ Gardener/Landscaper/ Nursery Assistant/ Conservationists / Self Employment	Class XIIth Minimum Age: 18	420	4	Nature Guide/Eco-tourist Guide/Field Assistant→ Advance Course in Para-taxonomy	NA
ii.	Advance certificate course in Para-taxonomy [Specialization: (i) Floral Diversity (ii) Faunal Diversity (iii) Wetlands Diversity (iv) Medicinal Plants & Traditional Knowledge]	Para taxonomists	Class XIIth Pass + Certificate course in Biodiversity Conservation or Graduation in any discipline	315+410 = (725)	5	Para taxonomist→ Field Officer/Master Trainer	NA

Agenda for the 3rd Meeting of NSQC

iii.	Certificate Course in Bird Identification and basic ornithology	Bird Guide/ Eco-tourist guides/Future conservationist / Field assistant/Self employment	Class Xth Pass/Class XIIth Pass/ dropouts Min Age: 18	160	5	Bird Guide/Bird Identifier→ Master Trainer/ Self Sustainable Entrepreneur/ Consultant	NA
iv.	Certificate Course in Bird Migration and Migration study techniques	Bird guide, Future conservationist/ Field assistant in biodiversity research organization, bird handler, Banding field assistant, assistance for Biodiversity Management Committee, PBR studies.	Graduation in any discipline	186	5	Bird Guide/Specialist →Master Trainer/Consultant	NA
v.	Certificate course in Valuation of Ecosystem Services and Green GDP	Forest Departments and other government bodies, Industries, Universities, Research Institutes	Bachelor's degree	105	5	Research Assistant→Master Trainer/Consultant	NA
vi.	Certificate course in Value addition and Marketing of NTFPs (Plant Origin): (i) Lantana Furniture and Crafts (ii) Coconut Shells &Fibre Handicrafts (iii) Bamboo Crafts (iv) NTFP Products/Medicinal Plants	Handicraft Assistant/Handicraft Maker/ Bamboo Craft worker/Demonstrator/Eco -friendly Entrepreneur/Trainer	No minimum qualification to XII Pass (depending on the specialization) / Minimum age of 18 years	(i) 400 (ii) 240 (iii) 400 (iv) 140	5	Handicraft Assistant/Maker →Master Trainer/Self-sustainable Entrepreneur	NA
vii.	Certificate Course in Propagation and Management of Bamboo	Bamboo Industry, Bamboo Boards, Bamboo Research and Training Centre, Forest Development Agency	Class XII pass	240	5	Research Assistant→ Master Trainer/ Self Sustainable Entrepreneur	NA

Agenda for the 3rd Meeting of NSQC

viii.	Certificate Course in Plant Tissue Culture Techniques and its Applications	Tissue Culture Supervisors Master Trainers	Science Graduate Min Age: 21 Y	320	6	Tissue Culture Supervisor/Master Trainer →Tissue Culture Expert	NA
ix.	Certificate Course in Forest Fire Management	Forest Fire Assistant	XII Pass Min age: 18 y	300	5	Forest Fire Assistant →Master Trainer/Forest Fire Manager	NA
x.	Certificate Course in Water Budgeting & Auditing	Water auditor	Graduate Min Age: Years	200	6	Water Auditor → Water Management Expert/ Master Trainer	NA
xi.	Certificate Course in Cleaner Production Assessor	Master Trainer/Cleaner Production Supervisor	Science Graduate Min age- 21 y	85	6	Cleaner Production Assessor / Master Trainer →Cleaner Production Consultant	NA
xii.	Certificate Course in Emission Inventory	Emission Inventory Specialist/Master Trainer	Graduates/Post Graduates with Engineering back ground Minimum age of 20-21 years	130	6	Emission Inventory Specialist/Master Trainer →Emission inventory expert/Supervisor	NA
xiii.	Certificate Course in ETP/STP/CETP Operation and Maintenance	Sanitary Inspector/ ETP/STP/CETP Operator/Master Trainer, etc.	Science Graduate Minimum Age: 21 yrs.	300	6	Sanitary Inspector/ ETP/STP/CETP Operator/Master Trainer →ETP/CETP/STP Supervisor	NA
xiv.	Certificate Course in Greenbelt development for industries	Greenbelt Development Associate /Master Trainers	Science Graduate Minimum age of 21 years	200	6	Greenbelt Development Associate/Master Trainer →Greenbelt Developer	NA
xv.	Certificate Course in Laboratory Technicians for energy efficiency, star labelling and other	Laboratory Technician/Master Trainer	ITI / Diploma/ Science Graduate Min Age: 18	264	6	Lab Technician/Master Trainer→Senior Lab Technician	NA

Agenda for the 3rd Meeting of NSQC

	electrical testing for environmental criteria		years				
xvi.	Certificate Course in Laboratory Technician for Ecofriendly food testing laboratory	Laboratory Technician in Food Testing Laboratory/Master Trainer	Science Graduate Minimum 21 years	225	6	Lab Technician/Master Trainer→Head Lab Technician	NA
xvii.	Certificate Course in Para Legal Practices: (i) Forestry Acts and Policy (ii) Environmental Laws	Para legal Assistant	Graduate Minimum age of 21 years	200	5	Para legal Assistant →Para legal/Consultants	NA
xviii.	Certificate Course in Plantation Techniques and Utilisation of renewable energy in Arid Zone	Plantation/solar gadget technicians	XII Pass Minimum age of 18 years	180	4	Plantation/solar gadget technicians→ Plantation Technique Expert/ Solar Devices and Gadgets Fabricator cum Operator/Master Trainer/ Sustainable Entrepreneur	NA
xix.	Certificate Course in Pollution Monitoring [(i) Air Pollution (ii)Water Pollution (ii) Soil Pollution]	Pollution Monitors/ Research Fellow/ Environmentalist/Conservationist etc.	Science Graduate/Diploma in Engineering 21 years	(i) 130 (ii) 130 (iii) 200	6	Pollution Monitor/Master Trainer →Pollution Management Expert	NA
xx.	Certificate Course in Quality Planting Material Producer	Quality Planting Material Producer	Class 10 with minimum age of 18 years	240	4	Quality Planting Material Producer→Quality Planting Material Supervisor/Self-sustainable Entrepreneur	NA
xxi.	Certificate Course in Sustain and enhance technical Knowledge in	Trained solar technician, solar energy-based business	10+2 passed or dropout, Minimum 18	240	5	Solar Operator/Technician →Master Trainer/ Self	NA

Agenda for the 3rd Meeting of NSQC

	Solar Energy Systems		years			Employment/ Entrepreneur	
xxii.	Certificate Course in Waste management (Solid waste, Biomedical waste, Plastic waste, E-waste, construction & demolition waste)	Waste Management Specialist/ Manager/Supervisor at Waste Management Facility/Master Trainer	Science Graduate Minimum age of 21 years	300	6	Waste Management Specialist/ Manager/Supervisor/Master Trainer → Waste Management Expert/ Sanitation Expert/ Self-sustainable Entrepreneur	NA
xxiii.	Certificate Course in Wildlife Management using Geospatial Techniques	GIS Analyst in wildlife management/ Research Assistant/Research Officer, Conservation Biologist/Ecologist, Master Trainer	Science graduate Minimum age: 21 years	264	6	Wildlife GIS Assistant/Master Trainer → Wildlife GIS Expert	NA
xxiv.	Certificate Course on Forest Entomology and Pest Control	Forest Entomology/Pathology Specialist, Master Trainer	Graduate. Minimum age of 21 years	216	6	Forest Entomology/ Pathology Specialist, Master Trainer → Forest Health Expert/ Forest Entomologist	NA

V. SUBMITTING BODY: NATIONAL FILM DEVELOPMENT CORPORATION (1 NEW FILE), SECTOR: MEDIA

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Chief Camera Assistant	Chief Camera Assistant	10th Standard or 8th +ITI with a minimum age of 16 years.	352	5	Horizontal: Specialized Photographer Vertical: Photography Instructor, Cinematographer/Cameraman	NA

Agenda for the 3rd Meeting of NSQC

ii.	Digital Video Editor	Digital Video Editor	10th Standard or 8th +ITI with a minimum age of 16 years.	352	4	Horizontal progression: Graphics Designer, Camera Assistant Vertical Progression: Senior Editor	NA
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II. SUBMITTING BODY: NIELIT (15 REVISED FILE), SECTOR: IT-ITES

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Certificate course in CAD using CREO	Designer - CAD, Product designer, Technician - CAD	Pursuing B.E/ B.Tech/ Diploma/ in Mechanical, production, Automobile, Tool & Die, Industrial engineering, mechatronics, Electrical, Electronics and Allied branches				
ii.	Certificate Course in System Administration using Unix	Assistant System Administrator	B.Sc.(CS)/BCA/PGDCA /Diploma(CS/IT)/NIELI T 'A' Level (s/w)	80	6	Assistant System Administrator - Next Job Role-Next Job Role 1. Academic: Other courses that provide them certification by Oracle with Solaris, HP with HP-UX and IBM with AIX. BSD has its own certification. 2. Professional Initially candidate can work as a trainee whose role would be to assist UNIX system administrator to identify and troubleshoot basic system & network related problems. Later, he could become UNIX system administrator.	NA

Agenda for the 3rd Meeting of NSQC

iii.	Certificate Course in System Administration using Linux	Assistant System Administrator	B.Sc.(CS)/BCA/PGDCA /Diploma(CS/IT)/NIELI T 'A' Level (s/w)	80	6	Assistant System Administrator - Next Job Role-Next Job Role 1. Academic: After completion of this course, students can go for other courses that provide them certification such as Red Hat Certified Systems Engineer (RHCSE) 2. Professional: Initially candidate can work as an Assistant System Administrator whose role would be to assist Linux system administrator to identify and troubleshoot basic system & network related problems. Later, he could become Linux system administrator.	NA
iv.	Printed Circuit Board Design, Analysis & Manufacturing Techniques	PCB Service technician , Supervisor- Electronics Product Assembly Section , Supervisor- PCB Manufacturing / testing Section , Technicians /Electronic Lab In charge in Academic Institute	Diploma/ B. SC in Electronics /Telecommunication/ Instrumentation/Electrical	250	4	In Academics- PCB Design Engineer- ELE/Q8703(Electronics Sector Skills Council of India) In Profession- Lab Technician of PCB->PCB Design Engineer, PCB fabrication Engineer-> Supervisor -- >Design Head	NA

2. SECTOR SKILL COUNCILS

I. SUBMITTING BODY: AUTOMOTIVE SSC (9 NEW FILE), SECTOR: AUTOMOTIVE

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Automotive Washer	Technical Service & Repair	5th Class	200	2	Four Wheeler Service Assistant, Two Wheeler Service Assistant	Yes (DHI)
ii.	Automotive electrician	Technical Service & Repair	10 th from recognized board OR Certificate-NSQF (Four Wheeler Service Assistant)	400	4	Automotive Service Lead Technician	Yes (DHI)
iii.	Automotive engine repair technician	Technical Service & Repair	10th from recognized board OR Certificate-NSQF (Four Wheeler Service Assistant)	400	4	Four Wheeler Lead Technician, Two Lead Technician	Yes
iv.	Automotive CNC machining technician	Machining Operation	12th from recognized board OR Certificate- NSQF (Automotive Machining Operator)	400	4	Automotive Machining Lead Technician, Automotive Machining Master Technician,	Yes
v.	Automotive showroom host	Dealer Sales Support	8th Class	120	3	Automotive Sales Telecaller	Yes
vi.	Automotive Accessory Fitter	Technical Service & Repair	10th from recognized board OR Certificate-NSQF (Four Wheeler Service Assistant) with 1-2 years of experience	328	4	Four Wheeler Service Technician, Four Wheeler Service Lead Technician, Automotive Sales Consultant	Yes

Agenda for the 3rd Meeting of NSQC

vii.	Machining Operator	Machining Operation	10th from recognized board OR Certificate-NSQF (Automotive Machining Assistant) with 1-2 Years of experience	320	3	Automotive CNC Machining Technician/ Automotive Machining Technician (Conventional), Automotive Machining Lead Technician, Automotive Machining Master Technician	Yes
viii.	Automotive Assembly Technician	Assembly Operation	12th from recognized board OR Certificate-NSQF (Automotive Assembly Operator) with 1-2 years of experience	400	4	Automotive Assembly Lead Technician, Automotive Assembly Master Technician,	Yes
ix.	Automotive Welding Machine Operator(Manual and Robotics)	Metal Joining	10th from recognized board OR Certificate-NSQF (Automotive Welding Assistant) with 1-2 Years of experience	320	3	Automotive Welding Technician, Automotive Welding Lead Technician, Automotive Welding Master Technician	Yes

II. SUBMITTING BODY: HEALTHCARE SSC (4 NEW FILE), SECTOR: HEALTHCARE

S.No	Qualification Name	Occupation	Entry Requirements	Notional Hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Ayurveda Ahara and Poshana Sahayak	Ayurveda Diet	10th Pass and minimum age - 18 years	600	4	Panchakarma and Ksharasutra Technician	Yes

Agenda for the 3rd Meeting of NSQC

ii.	Ayurveda Dietician	Ayurveda Diet	BAMS and minimum age - 23 years	540	5	Ayurveda Dietician– Lead Trainer and Assessor	Yes
iii.	Kshara Karma Technician	Ayurveda Therapy	12th Pass and minimum age - 18 years	1200	4	Ayurveda Healthcare Managers	Yes
iv.	Cupping Therapy Assistant	Unani Therapy Supportive role.	10th Pass and minimum age - 18 years	760	4	Cupping Technician	Yes

III. SUBMITTING BODY: INSTRUMENTATION SSC (4 NEW FILE), SECTOR: INSTRUMENTATION

S.No	Qualification Name	Occupation	Entry Requirements	Notional Hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Calibration Technician (Electro Technical)	Testing & QA	B.Sc. (with Physics as a subject), Diploma in Mechanical, Instrumentation, Electrical or Electronics	296	5	Level 5 Calibration Supervisor	No
ii.	Calibration Technician (Mechanical Dimension)	Testing & QA	B.Sc. (with Physics as a subject), 3 years Diploma in Instrumentation/ Electrical/Electronics	288	4	Level 5 Calibration Supervisor	No
iii.	DCS Programmer and Trouble Shooter	Installation and Commissioning	Diploma in Electrical/ Electronics/ Instrumentation B.Sc in Electronics, 24 years	248	4	Level 5 Sr. Technician Automation	No
iv.	HMI / SCADA Programmer and Trouble Shooter	Installation and Commissioning	Diploma in Electrical/ Electronics/ Instrumentation B.Sc in Electronics, 21 years	232	4	Level 5 Sr. Technician Automation	No

IV. SUBMITTING BODY: PwD SSC (1 NEW FILE), SECTOR: PwD

S.No	Qualification Name	Occupation	Entry Requirements	Notional Hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Trainer -Persons with Disability (PwD)	Training Delivery	As per the domain and minimum age - 18 years	32 hrs	5	Vertical progression- Lead Trainer (MEP/Q0101), Training Centre Manager, (MEP/Q2604), Instructional Designer (MEP/Q2901), Training Material Developer (MEP/Q2902)& Master Trainer and Horizontal progression- Domain Assessor, Domain Trainer & Assessor-Pwd	Yes

V. SUBMITTING BODY: SPORTS SSC (1 NEW FILE), SECTOR: SPORTS

S.No	Qualification Name	Occupation	Entry Requirement	Notional Hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
I	Unarmed self defence instructor	Unarmed Self-Defence Instructor	Class 12th pass	344	5	Armed Self-Defence Instructor	No
Ii	Community sports coach	Community Sports Coach	Class 10th pass	500	5	Level 4 Primary Years Physical Activity Facilitator	No

VI. SUBMITTING BODY: AGRICULTURE SSC (6 NEW FILE), SECTOR: AGRICULTURE

S. No	Qualification Name	Occupation	Entry requirements	Notional hours	Proposed NSQF level	Progression Pathway	Line Ministry Concurrence
i.	Canine Breeder	Canine Breeder	Class 12 th pass Or Class 10 with 2 years' experience in canine handling/ training/ breeding for ex-defence/ CAPF/ police personnel Or Diploma in veterinary sciences	580	6	Master Breeder/ Kennel Manager	Yes
ii.	Canine Trainer and Handler	Canine Trainer and Handler	Class 12 th pass Or Class 10 with 2 years' experience in canine handling/ training/ breeding for ex-defence/ CAPF/ police personnel. Or NSQF Level 4 Certificate of the Job Role Companion Animal Groomer	536	5	Master Trainer (L6) Kennel Manager (L7)	Yes
iii.	Companion Animal Groomer	Companion Animal Groomer	Class 10	244	4	Kennel Supervisor/ Fur Stylist/ Canine Trainer & Handler	Yes
iv.	Zoo Animal Keeper	Zoo Animal Keeper	Class 10	360	4	Zoo Animal Supervisor	Yes
v.	Stray Animal Catcher	Stray Animal Catcher	Class 8	304	3	Animal Rescue Centre Supervisor/ Para Vet	Yes
vi.	Laboratory Animal Attendant	Laboratory Animal Attendant	Class 10	304	4	Animal Laboratory Assistant	Yes

ANNEXURE III: DETAILS OF QUALIFICATION FOR APPROVAL UNDER NAPS

SUBMITTING BODY: AUTOMOTIVE SSC (1 NEW FILE), SECTOR: AUTOMOTIVE

S.No	Qualification Name	Occupation	Entry Requirement	Notional Hours	Level
1	Vehicle Manufacturing operator	Vehicle Manufacturing Operations	10 th pass or ITI	1969 (BTP-190, OJT-1779)	4