7th Meeting of the National Skills Qualifications Committee (NSQC)
Date: 18th June 2015 Time: (11 am-1 pm)
Venue: NSDA Office, Kaushal Bhawan, B-2, Pusa Road, Metro Pillar No 95,
New Delhi - 110005

The 7th meeting of the National Skills Qualifications Committee (NSQC) was held on 18th June 2015 in New Delhi. Mr. S. Ramadorai, Chairman, NSDA, chaired the meeting.

The list of participants is at **Annexure I**.

The presentations made at the meeting are available on the NSDA website.

Agenda Item No. 1: Approval of Minutes of the 6th Meeting of NSQC

There were no further comments on the minutes of the 6th NSQC Meeting and the same were treated as approved.

At the outset, the Chairman, in his opening remarks, emphasized on the following:

Outcome-based Focus: All skill development training in the country should be outcomes based and performance needs to be measured in terms of percentage of persons actually placed in wage or self-employment. Industry partners who validate the QPs must ensure that they also employ the candidates trained against these QPs at the same level. Each of these QPs should be tracked for training and employment/entrepreneurship record.

Importance of the commonality of purpose: The Qualification Files are meant for all users – candidates as well as employers. Hence, the Qualification File must contain sufficient information presented in a manner that is understood by all so that the end users can use these files to suit their requirements and expectations.

Agenda Item No. 2: Action Taken Report

DG, NSDA provided an update on the action taken by NSDA since the last NSQC Meeting held on 19th May 2015 and they are listed as under:

2.1 Formation of a Sub-Committee for Accreditation Norms for Training Providers:

DG, NSDA informed that, as approved in the last NSQC meeting, DDGT or his representative has been made a part of the sub-committee that has been

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constituted under NSQC to review the accreditation norms developed by the SSCs and develop a common model of accreditation norms to be adopted across sectors as national standard of accrediting training providers.

It was also informed that, as a first step, accreditation norms were sought from Sector Skills Councils and 19 SSCs have sent their accreditation norms till date. These SSCs include Agriculture, Apparel, Automotive, Beauty and Wellness, Capital Goods, Construction, Electronics, Healthcare, Infrastructure, Logistics, Life Sciences, Plumbing, Power, Retail, Rubber, Telecom, Textile, Tourism and Food Processing. The remaining 10 SSCs (BFSI), Gems and Jewellery, Handicrafts, Iron and Steel, IT/ITeS, Leather, Media and Entertainment, Mining, Sports and Security) have been requested to submit their accreditation norms to the NSDA. The sub-committee would submit its report on or before 28th June 2015. **(Action: NSDA)**

2.2 Formation of a Sub-Committee for RPL Guidelines:

DG, NSDA informed that, as approved in the last NSQC meeting, representatives of DDGT and NCVT have been made a part of the sub-committee constituted under NSQC to evaluate and finalize the draft guidelines for RPL developed by the NSDA.

It was also informed that the first meeting of the sub-committee on RPL was held on 27.05.2015, with the aim to deliberate upon the draft guidelines that were shared with the sub-committee members. Members from Gems and Jewellery SSC and NIOS participated in this meeting. In addition, comments were received from Agriculture SSC, LabourNet, BAble and NIOS via email. The issues highlighted by the members present during the first meeting would be considered while finalizing the guidelines and the same would be shared with the NSQC.

The sub-committee would submit its report on or before 28th June 2015. **(Action: NSDA)**

2.3 Process of Curriculum Development and Involvement of Subject Matter Experts:

It was informed that a formal letter had been sent by DG, NSDA to NSDC as well as DDGT requesting them to submit their process and list of subject matter specialists to the NSDA. In response, NSDA has received a letter from DDGT regarding the process of curriculum development adopted by NCVT as well as complete list of members and core group of Mentor Councils involved as subject matter experts for NCVT courses.

Response is still awaited from NSDC. NSDC has been requested to submit the same at the earliest. **(Action: NSDC)**

Agenda Item No. 3: NSDA's update on NSQF related activities

3.1 Discussion regarding providing evidence of level for approving Qualification Packs

DG, NSDA updated the committee that, following the last NSQC Meeting, NSDA had several rounds of deliberations with NSDC and SSCs regarding the Qualification File to agree upon a format so that evidence of level for every QP is presented in a uniform and transparent manner. Keeping in mind the suggestions as well as constraints of SSCs in filling the Qualification File, the format for presenting 'Evidence of Level' in the Qualification File had been revised. As per the new format, the NSQF level of every QP needs to be justified with respect to each of the level descriptors as per the NSQF notification.

Accordingly, the committee was informed that the revised section on Evidence of Level of the Qualification File, with the necessary guidelines that explains what is actually expected from every SSC to justify the NSQF level assigned to every QP, had been circulated to NSDC and SSCs.

3.2 NSQF Roll Out Plan for States

DG, NSDA informed that in pursuance to the objective implementing NSQF at the State level in a time bound manner, NSDA has prepared a phase-wise list of activities to be undertaken by NSDA officials with the States, that include initial interaction by sharing E-Kits on NSQF, organizing workshops with all state level stakeholders and provide handholding support to align Qualifications provided by institutions under State Govt. through the Qualifications Register.

The process has been initiated for the States of Punjab, Uttarakhand, Tamil Nadu, Odisha and Rajasthan.

3.3 Workshop with Maharashtra Centre for Entrepreneurship Development (MCED)

DG, NSDA informed that, as requested by MCED, Govt. of Maharashtra, NSDA had participated in a two-day workshop with the concerned officials from MCED regarding NSQF Alignment of their courses. MCED is an autonomous society working under Directorate of Industries, Govt. of Maharashtra and

they are running 150 different trades on skill development and entrepreneurship.

3.4 Workshop with Uttarakhand on NSQF

DG, NSDA informed that, as part of NSDA's plan for rolling out NSQF in States, a workshop was organised conducted by the NSDA with the Uttarakhand State Skill Mission and other stakeholders regarding implementation of NSQF at the State level. Since Uttarakhand has been selected for offering technical assistance under ADB, the team member from ADB had also participated at this workshop. The State has been advised to form an internal working group at the State level, which will gather information of all trainings taking place within the State that would be targeted for NSQF compliance. The ADB team would support the State in this endeavor. The state has proposed a meeting with the Chief Secretary and all the Departments in the state where NSDA will be invited. In this meeting, a coordination mechanism between the departments on skill training will be formalized and structure and functions of UKSDM would be discussed.

3.5 Timeline for Submission of Qualification Files by SSCs

Given the pressing need to complete the exercise of filling the Qualification Files for all the 1319 QPs developed so far by 10th July 2015, it is extremely important that submission of the Qualification Files to NSDA is done in a phased manner so that adequate time could be given systematic review and revision. In this regard, the NSDA had prepared a schedule for submission of the remaining Qualification Files, which was subsequently shared with the NSDC and the SSCs. DG, NSDA informed that while the estimated target of submission of Qualification Files was 508 (until 10th June 2015), a total of 385 Qualification Files have been submitted to the NSDA.

All the concerned SSCs have been advised to take note of the same and plan their exercise accordingly so that the deadlines can be met as per the schedule. Given the Committee's decision during the 5th NSQC meeting that, QPs, which are not approved by NSQC, would not be used in PMKVY scheme, the SSCs should be more proactive and speed up the process of submission of Qualification Files to the NSDA as the PMKVY scheme has already been launched. **(Action: NSDC, SSCs)**

Agenda Item No. 4: Approval of Qualification Files for NCVT/SDIS courses

Representative from DDGT presented 31 Qualifications under NCVT for approval by NSQC. Details of these qualifications are at **Annexure II**.

It was pointed out by DDGT that these qualifications have been mapped to the relevant NOSs wherever applicable. NSDC informed that they have mapped around 70-80 popular courses of NCVT to relevant QPs and they have agreed to provide resource persons to NCVT in order to facilitate the mapping of NCVT qualifications to QPs, if required. Once this exercise is over, it was decided that the review team at NSDA would evaluate their Qualification Files and the same would be presented in the next NSQC meeting. **(Action: DDGT, NSDC, NSDA)**

Agenda Item No. 5: Approval of QPs submitted by various SSCs

The Committee was informed that 385 QPs across 20 SSCs have been submitted to the NSDA until 10th June 2015. Out of these, 301 QPs were presented before the NSQC and they have been approved. The sector-wise summary of the number of these QPs is presented below:

S. No.	SSC	No. of QPs
1	Agriculture	48
2	Apparel	10
3	Capital Goods	8
4	Electronics	20
5	Healthcare	10
6	Iron and Steel	20
7	IT/ITeS	16
8	Infrastructure	19
9	Leather	50
10	Life Sciences	4
11	Mining	20
12	Plumbing	1
13	Rubber	56
14	Security	2
15	Telecom	17
Total		**301**

Details of these QPs are at **Annexure III**.

Some of the recommendations of the Committee are summarized as under:

5.1 Entry Requirement: The entry requirement for each of the Qualification/QPs should indicate
- Minimum educational qualification for direct entry
- Progression from Qualification/QPs pegged at lower NSQF levels with minimum work experience and/or bridge course, if applicable.

During the presentations by SSCs, it was observed that there are QPs for which the entry requirement is specified as Class X, Class XII and above. Given the high number of school dropouts in the country, it is possible that candidates with such educational qualification would not be available (particularly in rural areas). This also becomes a pertinent factor in considering RPL certification. The SSCs should consider how to mobilise candidates for such QPs so that skill development training could reach out to maximum number of candidates. In this regard, SSCs are advised to consider entry-level qualifications as 'preferable' in the Qualification Files so that candidates with lower educational qualifications with adequate years of work experience can also be trained under such circumstances. **(Action: SSCs)**

5.2 Progression Pathways: Except Healthcare and Life Sciences SSC, the exact progression, both vertical and horizontal, have not been clearly stated in the Qualification Files. Although, the occupational map is attached for every sector while submitting the Qualification files as evidence of career progression, the same is not adequate because the occupational map is meant for the entire sector and it becomes difficult to locate the progression pathways for every QP distinctly. SSCs must mention the pathways of progression for every QP, both horizontal and vertical, in the Qualification File. **(Action: SSCs)**

5.3 Industry Validation: As per NSDC norms all the QPs and NOSs developed by SSCs are supposed to be validated by a minimum of 30 Industries representing the sector. It appears that there are some QPs that have not been validated by minimum 30 industries, the reason given by such SSCs is that a smaller number of industry covers major part of the sector. It is important to know the percentage of workers, of the total workforce in their sector, employed by these industries which validate the QPs. The true meaning of industry validation would be established when SSCs can convince industries, which validate their QPs, to hire the candidates certified by the SSCs.

5.3.1 SSCs are requested to provide a detailed process manual stating the exact procedure that is adopted while validating QPs. This should clearly indicate how these industries are chosen, their classification into small, medium and large and the definition adopted by these SSCs for such classification. **(Action: SSCs)**

5.3.2 It was suggested that sector-wise workshops should be held between the NSDA and the industry representatives involved in validation of QPs, in order to understand the process of validation in a better manner. **(Action: NSDA, NSDC, SSCs)**

5.4   Comments on QPs submitted by Leather and Rubber SSCs

It has been observed by the Committee that QPs in both the Rubber and Leather Sector appear to be narrow which points towards an assembly line kind of operations in these sectors. In such cases capturing Evidence of Need and Occupational Maps in the Qualification file is even more crucial, which is not shown in the current files that have been submitted. Training candidates as per such narrow QPs might increase their vulnerability towards change in technology. Also, such QPs may not be applicable in the unorganized sector. It was decided a separate meeting would be held between NSDA and representatives from these sectors to discuss these issues. **(Action: NSDA and Leather/Rubber SSCs)**

Agenda Item No. 6: Approval of Qualification by Maharashtra Centre for Entrepreneurship Development (MCED)

MCED had submitted their Qualification File on Retail Management Training Programme for approval by the NSQC. However, certain shortcomings have been observed by the review team at NSDA, and they have been advised to revise their Qualification File accordingly so that the same may be taken up in the next NSQC meeting. **(Action: MCED)**

Agenda Item No. 7: National Quality Assurance Framework

NSDA made a presentation on the outline of National Quality Assurance Framework that has been prepared by the NSDA with EU assistance. The National Quality Assurance Framework will underpin the NSQF by addressing the quality of

registration and use of qualifications, and also the accreditation of training providers and assessment agencies, as well as monitoring and evaluation by national and state level bodies. DG, NSDA had circulated a copy of the framework to the NSQC members along with the agenda of the 7th NSQC meeting, and requested the members of the NSQC to provide their inputs and suggestions on the same. **(Action: NSDA, NSQC)**

Meeting ended with vote of thanks by the Chair

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List of Participants of the 7th NSQC meeting
18th June, 2015 at 11 AM
National Skill Development Agency (NSDA)
B-2 PUSA ROAD, New Delhi

1. Mr S. Ramadorai, Chairman, NSDA
2. Ms Jyotsna Sitling, Director General, NSDA and Joint Secretary, Ministry of Skill Development and Entrepreneurship
3. Mr Anant Prakash Pandey, PS to the Chairman, NSDA
4. Mr S N Tripathi, Joint Secretary, Ministry of Micro, Small & Medium Enterprise
5. Mr Deepankar Mallia, DDG (T), Ministry of Skill Development and Entrepreneurship
6. Dr T C Saravanabava, DDG (AT), Ministry of Skill Development and Entrepreneurship
7. Mr Dinesh Nijhawan, Director (SDI), Ministry of Skill Development and Entrepreneurship
8. Mr Amrit Pal Singh, Deputy Director, Ministry of Skill Development and Entrepreneurship
9. Mr C Samayamoorthy, Managing Director, Tamil Nadu Skill Development Corporation
10. Mr S K Thote, H.O.D, Cordination, M.C.E.D, Aurangabad
11. Mr Thawave.D.U, Project Officer, M.C.E.D, Aurangabad
12. Mr Rajiv Mathur, Head- Standards and QA, NSDC
13. Ms Shashi Kiran, Sr Consultant, Standards & QA, NSDC
14. Mr Ravinder Kumar, V.I., Food Processing & Preservation Sector
15. Mr R L Singh, Consultant, Ministry of Skill Development and Enterpreneurship
16. Mr H.S.Mohan, CEO, Infrastructure Equipment Sector Council
17. Col Krishna Vijay, Director, Standards & Quality Assurance, Infrastructure Equipment Sector Council
18. Mr Vijay Sharma, Head- Accreditation & Training, Infrastructure Equipment Sector Council
19. Mr R Madan, CEO, Life Science Sector Skill Development Council
20. Mr Anshul Saxena, Director- NOS & Curriculum Advisory, Life Science Sector Skill Development Council
21. Mr Muninder Anand, Asst Director, KPMG, Life Science Sector Skill Development Council
22. Ms Aastha Babbar, Life Science Sector Skill Development Council
23. Dr Satyendra Arya, CEO, Agriculture Sector Council of India
24. Mr Sunil M Naik, Assistant Manager, Agriculture Sector Council of India
25. Mr Saurabh Thakur, Consultant, Agriculture Sector Council of India
26. Ms Priyanka Prakash, Manager, Agriculture Sector Council of India
27. Ms Anupama Giri, CEO, Rubber Sector Skill Council
28. Mr Sikhar Saxena, Manager, Rubber Sector Skill Council
29. Mr Vishal Sharma, Affiliation & Training Consultant, Rubber Sector Skill Council

30. MS Kamna Malik, Advisor, IT-ITES Sector Skill Council, NASSCOM
31. Mr Karan Ramchandani, Project Coordinator, IT-ITES Sector Skill Council, NASSCOM
32. Mr G.B.Sinha, Secretary, Skill Council for Mining Sector
33. Lt Gen Dr S P Kochhar, CEO, Telecom Sector Skill Council
34. Mr Shiv Kumar Pandey, Manager, Telecom Sector Skill Council
35. Mr Deepak Divakar, Manager, Telecom Sector Skill Council
36. Ms Priya A, Manager, Leather Sector Skill Council
37. Maj Gen D K Jamwal, CEO, Security Sector Skill Development Council
38. Col Utkarsh S Rathore (Rtd), Principal Standards & Quality assurance, Security Sector Skill Development Council
39. Mr IS Gahraut, CEO, Capital Goods Skill Council
40. Dr Roopak Vasistha, Apparel Made Ups and Home Furnishing Sector Skill Council
41. Ms Nidhi Trehan, Joint Director, Apparel Made Ups and Home Furnishing Sector Skill Council
42. Ms Abha Rastogi, Training Officer, Apparrel Made Ups and Home Furnishing Sector Skill Council
43. Ms Chitra, Training Officer, Apparrel Made Ups and Home Furnishing Sector Skill Council
44. Mr Praven Roy, CEO, Tourism & Hospitality Skill Council
45. Ms Jyoti Joshi, National Head-Standards, Tourism & Hospitality Skill Council
46. Mr Vinod Behari, CEO, Power Sector Skill Council
47. Mr A K Bhagat, Sr Consultant, Power Sector Skill Council
48. Mr S Manish Singh, Director, PROGILENCE
49. Mr Ashish Jain, CEO, Healthcare Sector Skill Council
50. Dr Zainab Zaidi, Director, Healthcare Sector Skill Council
51. Ms Kanika Kalwan, Training Officer, Beauty & Wellness Sector Skill Council
52. Mr. Sushim Banerjee, CEO, Indian Iron & Steel Sector Skill Council
53. Ms Meghna Sharma, Consultant, NSDA
54. Ms. Anupama Tripathi, Consultant, NSDA
55. Ms. Vishishta Sam, Consultant, NSDA
56. Ms. Raadhika Gupta, Consultant, NSDA
57. Ms. Nidhi Gautam, Consultant, NSDA
58. Ms. Pangkhuri Borgohain, Consultant, NSDA
59. Ms. Yogita Daulatani, Consultant, NSDA
60. Ms. Neha Gupta, Consultant, NSDA
61. Ms. Monika Mishra, Consultant, NSDA
62. Mr Prabal Bhardwaj, Consultant, NSDA
63. Mr Vimal Pathak, Consultant, NSDA
64. Mr Anand Ramesh Kumar

Annexure II

List of NCVT courses submitted at the 7th NSQC Meeting

S. No.	Name of qualification	Trade/Course	Proposed level
1	National Trade Certificate (NTC)	AGRO PROCESSING	Level 4
2	National Trade Certificate (NTC)	FOOD BEVERAGE	Level 4
3	National Trade Certificate (NTC)	FRUITS AND VEGETABLES PROCESSING	Level 4
4	National Trade Certificate (NTC)	MILK AND MILK PRODUCTS	Level 4
5	National Trade Certificate (NTC)	DRESS MAKING	Level 4
6	National Trade Certificate (NTC)	SEWING TECHNOLOGY	Level 4
7	National Trade Certificate (NTC)	SURFACE ORNAMENTATION TECHNIQUES (EMBROIDERY)	Level 4
8	National Trade Certificate (NTC)	BASIC COSMETOLOGY	Level 4
9	National certificate in MES	FOOD BEVERAGES TECHNIQUES	Level 3
10	National certificate in MES	FOOD INDUSTRY BY-PRODUCTS AND WASTE UTILISATION	Level 3
11	National certificate in MES	FOOD PACKAGING AND LABELLING	Level 3
12	National certificate in MES	MANUFACTURING OF EXTRUDED PRODUCTS	Level 3
13	National certificate in MES	MEAT AND MEAT PRODUCTS	Level 3
14	National certificate in MES	MICROBIAL ANALYSIS AND FOOD SAFETY	Level 3
15	National certificate in MES	OIL SEEDS PROCESSING AND BY-PRODUCTS UTILIZATION	Level 3
16	National certificate in MES	OPERATION AND MANAGEMENT OF COLD STORAGE	Level 3
17	National certificate in MES	PROCESSING AND VALUE ADDITION OF PLANTATION CROPS	Level 3
18	National certificate in MES	PULSE PROCESSING AND VALUE ADDITION	Level 3
19	National certificate in MES	READY TO EAT (RTE), READY TO COOK (RTC) AND READY TO SERVE (RTS) FOOD PRODUCTS	Level 3
20	National certificate in MES	RICE MILLING	Level 3
21	National certificate in MES	FOOD SENSORY ASSESSMENT	Level 3

		TECHNIQUES	
22	National certificate in MES	WHEAT MILLING	Level 3
23	National certificate in MES	BEAUTY THERAPY AND HAIR STYLING LEVEL-1	Level 2
24	National certificate in MES	BEAUTY THERAPY AND HAIR STYLING LEVEL-2	Level 3
25	National certificate in MES	INTEGRATED COURSE IN HAIR, SKIN AND MAKE-UP	Level 2
26	National certificate in MES	NAIL TECHNOLOGY	Level 3
27	National certificate in MES	BRIDAL MAKE-UP ARTIST	Level 2
28	National certificate in MES	BEAUTY ADVISOR	Level 2
29	National certificate in MES	ORNAMENTALIST – HAND WORK SPECIALIST APPLIQUE	Level 2
30	National certificate in MES	HAND EMBROIDER	Level 2
31	National certificate in MES	Traditional Embroidery	Level 3
Total		**31**	

Annexure III

List of Qualification Packs approved at the 7th NSQC Meeting

Sl No	Name of qualification	QP Code	Proposed level
1. Agriculture			
1.1	Wheat Cultivator	0102	4
1.2	Maize Cultivator	0103	4
1.3	Soyabean Cultivator	0201	4
1.4	Cotton Cultivator	0202	4
1.5	Sugarcane Cultivator	0203	4
1.6	Pulses Cultivator	0104	4
1.7	Mango grower	0302	4
1.8	Citrus fruit grower	0303	4
1.9	Bulb crop cultivator	0401	4
1.10	Solanaceous crop cultivator	0402	4
1.11	Tuber crop cultivator	0403	4
1.12	Paddy Cultivator	0101	4
1.13	Gardener	0801	4
1.14	Floriculturist - Open cultivation	0701	4
1.15	Floriculturist - Protected cultivation	0702	4
1.16	Coffee plantation worker	0501	2
1.17	Tea plantation worker	0502	2
1.18	Coriander Cultivator	0602	4
1.19	Chillies Cultivator	0601	4
1.20	Micro irrigation technician	1002	4
1.21	Tractor operator	1101	4
1.22	Harvesting Machine Operator	1102	4
1.23	Dairy Worker	4102	2
1.24	Broiler Poultry Farm Supervisor	4301	5
1.25	Broiler Poultry Farm Worker	4302	3
1.26	Hatchery production worker	4901	3
1.27	Shrimp farmer	4902	4
1.28	Marine capture fisherman	5001	4
1.29	Sericulturist	5201	4
1.30	Beekeeper	5301	4
1.31	Bamboo Grower	6101	4
1.32	Quality Seed Grower	7101	4
1.33	Seed Processing Worker	7102	3
1.34	Supply Chain Field Assistant	7501	4
1.35	Warehouse Worker	7502	3
1.36	Agriculture extension service provider	7601	4
1.37	Agriculture Field Officer	7701	4
1.38	Coconut Farmer	0503	4
1.39	Friends of Coconut Tree	0504	3
1.40	Neera Technician	0505	3

1.41	Bare Foot Technician	7801	4
1.42	Community Service Provider	7802	4
1.43	Veterinary Field Assistant	4801	5
1.44	Veterinary Clinical Assistant	4802	5
1.45	Artificial Insemination Technician	4803	3
1.46	Animal Health Worker	4804	3
1.47	Solar Pump Technician	6701	4
1.48	Climate Change & Risk Mitigation Manager	6501	7
2. Apparel			
2.1	Layerman	AMHQ0201	3
2.2	Sewing Machine Operator	AMH/Q0301	4
2.3	Export Assistant	AMH/Q 1601	4
2.4	Hand Embroiderer	AMH/Q 1001	4
2.5	QC Executive – Sewing Line	AMH/Q1401	5
2.6 2.7	Merchandiser	AMH/Q0901	5
2.8	Export Executive	AMH/Q1602	5
2.9	Industrial Engineer (IE) Executive	AMH/Q2001	6
2.10	Specialized Sewing Machine Operator	AMH/Q2301	4
3. Capital Goods			
3.1	Maintenance Fitter - Mechanical	CSC/ Q 0901	4
3.2	Designer - Mechanical	CSC/ Q 0405	5
3.3	Quality Inspector - forged, casted or machined components	CSC/ Q 0601	4
3.4	Service Engineer- Installation and commissioning	CSC/ Q 0502	4
3.5	Service Engineer - Breakdown service	CSC/ Q 0503	5
3.6	Calibration Technician	CSC/ Q 0801	4
3.7	Production Engineer	CSC/ Q 1201	5
3.8	Setter and Operator - Electro Discharge Machine(Spark Erosion)	CSC/ Q 0121	4
4. Electronics			
4.1	CCTV Installation Technician	ELE/Q4605	4
4.2	DAS Set Top Box Installation & Service Technician	ELE/Q8102	4
4.3	Smartphone Repair Technician	ELE/Q8104	4
4.4	DTH Set Top Box Installation & Service Technician	ELE/Q8101	4
4.5	Installation Technician – Computing and Peripherals	ELEC/Q4609	3
4.6	Solar Panel Installation Technician	ELE/Q5901	4
4.7	LED Light Repair Technician	ELE/Q9302	4
4.8	Field Technician – UPS and Inverter	ELE/Q7201	4
4.9	Field Technician – Refrigerator	ELE/Q3103	4
4.10	Wireman – Control Panel	ELE/Q7302	3
4.11	Through Hole Assembly Operator	ELE/Q5101	4
4.12	Pick and Place Assembly Operator	ELE/Q5102	4
4.13	Field Engineer – RACW	ELE/Q3105	5

4.14	Field Technician – Networking and Storage	ELE/Q4606	4
4.15	Solar Module Assembly Technician	ELE/Q5801	4
4.16	Service Engineer	ELE/Q4607	5
4.17	Field Technician – Washing Machine	ELE/Q3106	4
4.18	Verification Engineer	ELE/Q1301	5
4.19	Embedded Software Engineer	ELE/Q1501	5
4.20	Mechanical Assembly Operator	ELE/Q9201	4
5. Healthcare			
5.1	Speech & Audio Therapy Assistant	HSS / Q 7601	4
5.2	REFRACTIONIST	HSS/ Q 3002	4
5.3	Operating Theatre Technician	HSS/ Q 2601	4
5.4	Assistant Physiotherapist	HSS/ Q 7701	4
5.5	Frontline Health Worker	HSS/ Q 8601	3
5.6	Pharmacy Assistant	HSS/Q 5401	4
5.7	Blood Bank Technician	HSS/ Q 2801	4
5.8	Medical Equipment Technician (Basic Clinical Equipment)	HSS/ Q 5601	3
5.9	Anaesthesia Technician	HSS/ Q 2501	4
5.10	Histotechnician	HSS/ Q 0401	5
6. Iron & steel			
6.1	EOT/ Overhead Crane Operator	ISC/Q0901	3
6.2	Conveyor Operation and Maintenance	ISC/Q0902	3
6.3	Mobile Equipment Maintenance	ISC/Q0907	3
6.4	Rigger: Rigging of Heavy Material	ISC/Q0908	3
6.5	Coil Packaging Machine Operator: Rolling Mills	ISC/Q0702	3
6.6	Bearing Maintenance	ISC/Q0906	3
6.7	Iron & Steel - Fitter Electrical Assembly	ISC/Q1001	3
6.8	Iron & Steel - Fitter Electronic Assembly	ISC/Q1101	3
6.9	Iron & Steel - Fitter - Instrumentation	ISC/Q1102	3
6.10	Iron & Steel - Machinist	ISC/Q0909	3
6.11	Iron & Steel - Plasma Cutter - Manual	ISC/Q0910	4
6.12	Iron & Steel - Tungsten Inert Gas Welder (GTAW)	ISC/Q0911	4
6.13	Process Operator: Rolling Mills	ISC/Q0701	5
6.14	Stoking Car Operator: Ferro Alloys	ISC/Q5302	3
6.15	Iron & Steel - Dumper Operator	ISC/Q0403	3
6.16	Belt Conveyor Maintenance	ISC/Q0904	3
6.17	Iron & Steel - Excavator Operator	ISC/Q0404	3
6.18	Fitter: Hydraulic & Pneumatic System	ISC/Q0903	4
6.19	Fitter: Levelling, Alignment & Balancing	ISC/Q0905	3
6.20	Fluid Management Operator: Rolling Mills	ISC/Q0703	4
7. IT/ITES			
7.1	Application Maintenance Engineer	SSC/Q0201	7
7.2	Media developer	SSC/Q0504	5
7.3	Deployment Engineer	SSC/Q0301	7
7.4	Junior Data Associate	SSC/Q0401	7
7.5	Intellectual Property Executive	SSC/Q6201	7

7.6	Market Research Associate	SSC/Q6302	7
7.7	User Interface (UI) Developer	SSC/Q0502	7
7.8	Software Developer	SSC/Q0501	7
7.9	Design Engineer - Product Management Support	SSC/Q4301	7
7.10	Design Engineer - Engineering Analysis	SSC/Q4401	7
7.11	Design Engineer	SSC/Q6601	7
7.12	Engineer-Packaging	SSC/Q6901	7
7.13	Engineer-Software Transition	SSC/Q7101	7
7.14	Document Coder/Processor	SSC/Q2901	7
7.15	Hardware Engineer	SSC/Q4701	7
7.16	Engineer - Product Lifecycle Management (PLM)	SSC/Q5201	7
8. Infrastructure			
8.1	Junior Mechanic (Electrical/Electronics/Instrumentation)	IES/Q1106	3
8.2	Junior Mechanic Engine	IES/Q1102	3
8.3	Mechanic (Engine)	IES/Q1101	4
8.4	Mechanic (Electrical/ Electronics/Instrumentation)	IES/Q1105	4
8.5	Mechanic (Hydraulic)	IES/Q1103	4
8.6	Junior Mechanic (Hydraulic)	IES/Q1104	3
8.7	Backhoe Loader Operator	IES/Q0101	4
8.8	Compactor Operator	IES/Q0106	4
8.9	Concrete Pump Operator	IES/Q0107	4
8.10	Crawler Crane Operator	IES/Q0110	4
8.11	Excavator Operator	IES/Q0103	4
8.12	Hydra Crane Operator	IES/Q0108	4
8.13	Junior Backhoe Operator	IES/0102	3
8.14	Junior Operator Crane	IES/Q0111	3
8.15	Junior Excavator Operator	IES/Q0104	3
8.16	Tyre Mounted Crane Operator	IES/Q0109	4
8.17	Wheel Loader Operator	IES/Q0105	4
8.18	Supervisor (Plant & Machinery)	IES/Q0201	7
8.19	Supervisor Maintenance (Infrastructure Equipment)	IES/Q1201	7
9. Leather			
9.1	Stitcher(Goods & Garments)	LSS /Q5501	4
9.2	Finishing Operator (Finished Leather)	LSS/Q0803	4
9.3	Glazing Operator	LSS /Q0802	4
9.4	Scudding Operator	LSS/Q0201	4
9.5	Setting Operator	LSS/Q0601	4
9.6	CAD CAM Operator	LSS/Q2103	4
9.7	Finishing Operator (Footwear)	LSS/Q3001	4
9.8	Heel Attacher	LSS/Q2901	4
9.9	Heel Builder	LSS/Q2801	4
9.10	Laster (by hand)	LSS/Q2702	4
9.11	Line Supervisor	LSS/Q3102	5

9.12	Moulding Supervisor	LSS/Q9201	5
9.13	Pattern Cutter	LSS/Q2102	4
9.14	Product Developer	LSS/Q2101	4
9.15	Quality Control Inspector (Non- Leather Footwear)	LSS/Q7701	5
9.16	Quality Control Inspector (Leather Footwear)	LSS/Q3101	5
9.17	Sample Maker	LSS/Q2201	4
9.18	Skiver (by hand)	LSS/Q2402	4
9.19	Store Incharge	LSS/Q3201	4
9.20	CAD CAM Operator- Garments	LSS/Q5102	4
9.21	CAD CAM Operator- Goods	LSS/Q5101	4
9.22	Harness Maker	LSS/Q7201	4
9.23	Pattern Cutter (Goods & Garments)	LSS/Q5103	4
9.24	Quality Control Inspector (Goods & Garments)	LSS/Q5701	5
9.25	Saddle Maker	LSS/Q7101	4
9.26	Quality Control Inspector (Saddlery)	LSS/Q7401	5
9.27	Sample Maker (Goods & Garments)	LSS/Q5201	4
9.28	Sewng Machine Operator (Saddlery)	LSS/Q7301	4
9.29	Skiving Operator	LSS/Q5401	4
9.30	Buffing Operator	LSS/Q0801	4
9.31	Drum Operator	LSS/QO301	4
9.32	Fleshing Operator	LSS/QO101	4
9.33	Helper- Finishing Operations	LSS/Q0804	2
9.34	Helper- Dry Operations	LSS/Q0902	2
9.35	Helper- Wet Operations	LSS/Q0901	2
9.36	Post Tanning Machine Operator	LSS/Q0701	4
9.37	Shaving Operator	LSS/QO501	4
9.38	Splitting and Sammying Operator	LSS/Q0401	4
9.39	Skiving Operator (Footwear)	LSS/Q2401	4
9.40	Cutter- Footwear	LSS/Q2301	4
9.41	Helper Bottom Making	LSS/Q3302	2
9.42	Helper- Finishing Operations (Footwear)	LSS/ Q3002	2
9.43	Helper- Upper Making	LSS/Q3301	2
9.44	Lasting Operator	LSS/Q2701	4
9.45	Moulding Operator	LSS/Q7501	4
9.46	Pre-assembly Operator	LSS/Q2601	4
9.47	Stitching Operator	LSS/Q2501	4
9.48	Cutter-Goods & Garments	LSS/Q5301	4
9.49	Helper- Finishing- Goods & Garments	LSS/Q5601	2
9.50	Helper Parts Making	LSS/Q5502	2
10. Life sciences			
10.1	Quality Assurance Chemist	LFS/Q 0302	5
10.2	Medical Sales Representative	LFS/Q0401	4
10.3	Production/Manufacturing Chemist- Life Sciences	LFS/Q1201	5
10.4	Quality Control Chemist	LFS/Q 1301	5

	11. Mining		
11.2	Banksman	MIN/Q 0414	2
11.3	Compressor operator	MIN/Q 0415	4
11.4	Mine Electrician	MIN/Q 0416	4
11.5	Sampler	MIN/Q 0418	3
11.6	Mine Welder	MIN/Q 0423	4
11.7	Data Entry Operator	MIN/Q 0425	4
11.8	Assistant Mine Surveyor	MIN/Q426	4
11.9	Mining Mate	MIN/Q427	5
11.10	Shot Firer/ Blaster	MIN/Q428	4
11.11	Explosive Van Operator	MIN/0429	4
11.12	Bulldozer Operator	MIN/Q 0401	4
11.13	Dewatering Pump Operator	MIN/Q 0411	4
11.14	Dumper / Tipper Operator	MIN/Q 0403	4
11.15	Excavator Operator	MIN/Q 0404	4
11.16	Fireman	MIN/Q 0439	4
11.17	Gas Detector	MIN/Q 0412	4
11.18	Rig Mounted Drill Operator	MIN/Q 0402	4
11.19	Person Handling Explosives	MIN/Q 0405	3
11.20	Mechanic/Fitter	MIN/Q 0406	3
	12. Plumbing		
12.1	Plumbing Draftsman	PSC/Q0201	5
	13. Rubber		
13.1	Bead Room Operator	RSC/ Q 1104	4
13.2	Bicycle/rickshaw tyre building operator- Mono band	RSC/ Q 0501	4
13.3	Building Operator - Rubber roller	RSC/ Q 1208	4
13.4	Building operator- cables	RSC/ Q 1204	4
13.5	Building operator- Conveyor belts	RSC/ Q 1202	4
13.6	Building operator- footwear	RSC/ Q 1205	4
13.7	Building operator- Hoses	RSC/ Q 1201	4
13.8	Building operator- rubber to metal bonding	RSC/ Q 1206	4
13.9	Building operator- sports goods	RSC/ Q 1207	4
13.10	Building operator- V belts for transmission	RSC/ Q 1203	4
13.11	Compression Moulding Operator	RSC/ Q 0205	4
13.12	Dipping Plant Operator	RSC/ Q 1801	4
13.13	Dispatch operator	RSC/ Q 1603	4
13.14	Dispersion Maker	RSC/ Q 1704	4
13.15	Emulsion Maker	RSC/ Q 1701	4
13.16	Extruder Operator	RSC/ Q 0622	4
13.17	Finishing operator - Non Tyre	RSC/ Q 1502	4
13.18	Finishing operator - Tyre	RSC/ Q 1501	4
13.19	Finishing Operator (Latex)	RSC/ Q 1504	4
13.20	Foam wrapping operator	RSC/ Q 1607	4
13.21	Internal Mixer Operator	RSC/ Q 0201	4
13.22	Injection moulding operator	RSC/ Q 0207	4
13.23	Junior Rubber Technician	RSC/ Q 0831	3
13.24	Lab Chemist - Compound testing- Batch	RSC/ Q 0313	5

	Release		
13.25	Lab Chemist - Cured Compound Testing	RSC/ Q 0314	5
13.26	Lab Chemist - Incoming Raw Material Testing	RSC/ Q 0312	5
13.27	Lab Chemist (Latex)	RSC/ Q 0302	5
13.28	Latex Compounder	RSC/ Q 1702	4
13.29	Latex Harvest Technician	RSC/ Q 2203	4
13.30	Loading and Unloading Operator	RSC/ Q 0109	4
13.31	Material Handling and Storage Operator	RSC/ Q 0108	4
13.32	Mill Operator	RSC/ Q 0101	4
13.33	Mould Cleaning and Inspection Operator	RSC/ Q 0212	4
13.34	Mould Cleaning and Inspection Operator (Latex)	RSC/ Q 0215	4
13.35	Packaging Operator	RSC/ Q 1601	4
13.36	Planetary Mixer Operator	RSC/ Q 1705	4
13.37	QA Technician (Latex)	RSC/ Q 0402	5
13.38	Rubber Product Assesmbler	RSC/ Q 1604	4
13.39	Sorting/Packing Operator (Latex)	RSC/ Q 1606	4
13.40	Storage Operator	RSC/ Q 1602	4
13.41	Tube Curing Operator	RSC/ Q 1304	4
13.42	Tube Cutting Operator	RSC/ Q 1301	4
13.43	Tube De-mandreling Operator	RSC/ Q 1402	4
13.44	Tube Joint Preparation/Curing Operator	RSC/ Q 1403	4
13.45	Tube Mandrelling Operator	RSC/ Q 1401	4
13.46	Tyre / Tube repair Operator	RSC/ Q 2002	4
13.47	Tyre casing Inspection operator	RSC/ Q 1901	4
13.48	Tyre fitter	RSC/ Q 2001	4
13.49	Tyre inflator	RSC/ Q 2004	4
13.50	Tyre Moulding Operator	RSC/ Q 0211	4
13.51	Tyre Post Cure operator	RSC/ Q 0203	4
13.52	Tyre Pre cure preparation operator	RSC/ Q 0202	4
13.53	Tyre Tread Preparation & Building Operator	RSC/ Q 1903	4
13.54	Tyre wheel balancing Operator	RSC/ Q 2003	4
13.55	Weighing Operator	RSC/ Q 0105	4
13.56	Wire Cutting Operator	RSC/ Q 1102	4
14. Security			
14.1	Personal Security Officer	SSS/Q0401	5
14.2	CCTV Supervisor	SSS/Q0501	5
15. Telecom			
15.1	Optical Fibre Splicer	TEL/Q6400	3
15.2	Customer Care Executive (Call Center)	TEL/Q0100	4
15.3	Customer Care Executive(Relationship Centre)	TEL/Q0101	4
15.4	Customer Care Executive (Repair Centre)	TEL/Q2200	4
15.5	BSS Support Engineer	TEL/Q6200	6
15.6	E Waste Collector	TEL/Q2400	3
15.7	Distributor Sales Representative	TEL/Q2100	4
15.8	Cluster Manager	TEL/Q4102	6

15.9	Optical Fiber Technician	TEL/Q6401	4
15.10	Cluster In-Charge	TEL/Q4101	5
15.11	ICT Engineer	TEL/Q6205	6
15.12	ICT- Technician	TEL/Q6206	4
15.13	Handset Repair Engineer (Level -II)	TEL/Q2201	4
15.14	Field Sales Executive (FSE)	TEL/Q0200	4
15.15	Territory Sales Manager (Broadband)	TEL/Q0204	7
15.16	Core Engineer	TEL/Q6201	6
15.17	Fault Management Engineer	TEL/Q6500	5
Total		**301**	