

## QUALIFICATION FILE

### Dumper/Tipper Operator

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

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

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

NCrF/NSQF Level: 3

Submitted By:

Skill Council for Mining Sector (SCMS)

FIMI House, B-311,

Okhla Industrial, Phase-1

New Delhi-110020

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## Section 1: Basic Details

| 1.     | <b>Qualification Name</b>                                                                                                                                                             | Dumper/ Tipper Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|--------------------------------------------------------------------|-----------------------------------------------------------|----|---------------------------------|---|----|----------------|--------------------------------------------------|----|----------------|------------------------------------------------|----|----------------|--------------------------------------------------|----|-----------------------------------------------------------------------|------------------------------------------------|
| 2.     | <b>Sector/s</b>                                                                                                                                                                       | Mining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 3.     | <b>Type of Qualification:</b> <input type="checkbox"/> New <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options<br><input type="checkbox"/> OEM | <b>NQR Code &amp; version of existing/previous qualification:</b><br>2022/MIN/SCMS/06976 & Version 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Qualification Name of existing/previous version:</b><br>Dumper/Tipper Operator |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 4.     | <b>a. OEM Name</b><br><b>b. Qualification Name</b><br>(Wherever applicable)                                                                                                           | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 5.     | <b>National Qualification Register (NQR) Code &amp;Version</b><br>(Will be issued after NSQC approval)                                                                                | QG-03-MG-04055-2025-V2-SCMS & Version 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>6. NCrf/NSQF Level:</b> 3                                                      |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 7.     | <b>Award (Certificate/Diploma/Advance Diploma/ Any Other</b> (Wherever applicable specify multiple entry/exits also & provide details in annexure)                                    | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 8.     | <b>Brief Description of the Qualification</b>                                                                                                                                         | The Dumper/Tipper operator uses the Dumper/Tipper (a heavy specialized truck) for transporting large volume of loose material such as sand, gravel, crushed rock, coal, over burden, ore etc. to designated place such as crusher hopper, site, dump yard, wash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 9.     | <b>Eligibility Criteria for Entry for Student/Trainee/Learner/Employee</b>                                                                                                            | <b>a. Entry Qualification &amp; Relevant Experience:</b> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>10th grade pass (or equivalent)</td> <td>-</td> </tr> <tr> <td>2.</td> <td>9th grade pass</td> <td>1.5 years relevant experience in Mining Industry</td> </tr> <tr> <td>3.</td> <td>8th grade pass</td> <td>3 years relevant experience in Mining Industry</td> </tr> <tr> <td>4.</td> <td>5th grade pass</td> <td>7.5 years relevant experience in Mining Industry</td> </tr> <tr> <td>5.</td> <td>Previous relevant Qualification of NSQF Level 2:Helper-Opencast Mines</td> <td>3 years relevant experience in Mining Industry</td> </tr> </tbody> </table> <b>b. Age:</b> 20 years |                                                                                   | S. No. | Academic/Skill Qualification (with Specialization - if applicable) | Required Experience (with Specialization - if applicable) | 1. | 10th grade pass (or equivalent) | - | 2. | 9th grade pass | 1.5 years relevant experience in Mining Industry | 3. | 8th grade pass | 3 years relevant experience in Mining Industry | 4. | 5th grade pass | 7.5 years relevant experience in Mining Industry | 5. | Previous relevant Qualification of NSQF Level 2:Helper-Opencast Mines | 3 years relevant experience in Mining Industry |
| S. No. | Academic/Skill Qualification (with Specialization - if applicable)                                                                                                                    | Required Experience (with Specialization - if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 1.     | 10th grade pass (or equivalent)                                                                                                                                                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 2.     | 9th grade pass                                                                                                                                                                        | 1.5 years relevant experience in Mining Industry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 3.     | 8th grade pass                                                                                                                                                                        | 3 years relevant experience in Mining Industry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 4.     | 5th grade pass                                                                                                                                                                        | 7.5 years relevant experience in Mining Industry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 5.     | Previous relevant Qualification of NSQF Level 2:Helper-Opencast Mines                                                                                                                 | 3 years relevant experience in Mining Industry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                   |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |
| 10.    | <b>Credits Assigned to this Qualification, Subject to Assessment</b> (as per National Credit Framework (NCrf))                                                                        | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>11. Common Cost Norm Category (I/II/III)</b> (wherever applicable): I          |        |                                                                    |                                                           |    |                                 |   |    |                |                                                  |    |                |                                                |    |                |                                                  |    |                                                                       |                                                |

| 12.                     | <b>Any Licensing requirements for Undertaking Training on This Qualification</b> <i>(wherever applicable)</i>                                                              | Preferable Heavy Motor Vehicle Driving License                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|-----------------------------------------|--|-------------------------|----------------|-------------------|-----------------------|-------------------------|---------------|---------------------|--------|--------|---|---|--------|--------|---|---|---|---|---|
| 13.                     | <b>Training Duration by Modes of Training Delivery</b> <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i> | <input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online <input type="checkbox"/> Blended<br><table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>130:00</td> <td>260:00</td> <td>-</td> <td>-</td> <td>390:00</td> </tr> <tr> <td>Online</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i> |                       |                         |                                         |  | Training Delivery Modes | Theory (Hours) | Practical (Hours) | OJT Mandatory (Hours) | OJT Recommended (Hours) | Total (Hours) | Classroom (offline) | 130:00 | 260:00 | - | - | 390:00 | Online | - | - | - | - | - |
| Training Delivery Modes | Theory (Hours)                                                                                                                                                             | Practical (Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | OJT Mandatory (Hours) | OJT Recommended (Hours) | Total (Hours)                           |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| Classroom (offline)     | 130:00                                                                                                                                                                     | 260:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                     | -                       | 390:00                                  |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| Online                  | -                                                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                     | -                       | -                                       |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 14.                     | <b>Aligned to NCO/ISCO Code/s</b> <i>(if no code is available mention the same)</i>                                                                                        | NCO-2015/8342.1201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 15.                     | <b>Progression path after attaining the qualification</b> <i>(Please show Professional and Academic progression)</i>                                                       | NSQF Level 4.0 (Vertical Progression)-Shovel Operator (to be developed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 16.                     | <b>Other Indian languages in which the Qualification &amp; Model Curriculum are being submitted</b>                                                                        | Hindi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 17.                     | <b>Is similar Qualification(s) available on NQR-if yes, justification for this qualification</b>                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 18.                     | <b>Is the Job Role Amenable to Persons with Disability</b>                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If "Yes", specify applicable type of Disability:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 19.                     | <b>How Participation of Women will be Encouraged</b>                                                                                                                       | By creating awareness in women and training them                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 20.                     | <b>Are Greening/ Environment Sustainability Aspects Covered</b> <i>(Specify the NOS/Module which covers it)</i>                                                            | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>MIN/N1703                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 21.                     | <b>Is Qualification Suitable to be Offered in Schools/Colleges</b>                                                                                                         | Schools <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Colleges <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 22.                     | <b>Name and Contact Details of Submitting / Awarding Body SPOC</b> <i>(In case of CS or MS, provide details of both Lead AB &amp; Supporting ABs)</i>                      | Name: Mr. Navneet Kumar<br>Email : coo@skillcms.in, scms@skillcms.in<br>Website : https://www.skillcms.in/<br>Contact No.: +91-11-26814593                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                         |                                         |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |
| 23.                     | <b>Final Approval Date by NSQC:</b> 6 May 2025                                                                                                                             | <b>24. Validity Duration:</b> 3 Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                         | <b>25. Next Review Date:</b> 6 May 2028 |  |                         |                |                   |                       |                         |               |                     |        |        |   |   |        |        |   |   |   |   |   |

## Section 2: Module Summary

### NOS/s of Qualifications

(In exceptional cases these could be described as components)

### Mandatory NOS/s:

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

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

| S. No                             | NOS/Module Name                                                              | NOS/Module Code & Version (if applicable) | Core/Non-Core | NCrF/NSQF Level | Credits as per NCrF | Training Duration (Hours) |        |          |          |        | Assessment Marks |     |       |      |       |                               |
|-----------------------------------|------------------------------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------------|---------------------------|--------|----------|----------|--------|------------------|-----|-------|------|-------|-------------------------------|
|                                   |                                                                              |                                           |               |                 |                     | Th.                       | Pr.    | OJT-Man. | OJT-Rec. | Total  | Th.              | Pr. | Proj. | Viva | Total | Weightage (%) (if applicable) |
| 1.                                | Prepare the Dumper/Tipper for operations                                     | MIN/N1405 & V2.0                          | Core          | 3               | 3                   | 30:00                     | 60:00  | -        | -        | 90:00  | 30               | 50  | -     | 20   | 100   | 20                            |
| 2.                                | Perform Dumper/Tipper operations                                             | MIN/N1406 & V2.0                          | Core          | 3               | 4                   | 20:00                     | 100:00 | -        | -        | 120:00 | 30               | 50  | -     | 20   | 100   | 20                            |
| 3.                                | Perform basic maintenance and troubleshooting of the Dumper/Tipper           | MIN/N1407 & V2.0                          | Core          | 3               | 2                   | 20:00                     | 40:00  | -        | -        | 60:00  | 30               | 50  | -     | 20   | 100   | 20                            |
| 4.                                | Carry out reporting and documentation related to the Dumper/Tipper operation | MIN/N1408 & V2.0                          | Core          | 3               | 1                   | 10:00                     | 20:00  | -        | -        | 30:00  | 30               | 50  | -     | 20   | 100   | 10                            |
| 5.                                | Follow Health, Safety, and Environmental Guidelines for opencast             | MIN/N1703 & V3.0                          | Core          | 1               | 2                   | 20:00                     | 40:00  | -        | -        | 60:00  | 30               | 50  | -     | 20   | 100   | 20                            |
| 6.                                | Employability Skills (30 Hours)                                              | DGT/VSQ/N 0101 & V1.0                     | Non-Core      | 2               | 1                   | 30:00                     | 00:00  | 00:00    | -        | 30:00  | 20               | 30  | -     | -    | 50    | 10                            |
| Duration (in Hours) / Total Marks |                                                                              |                                           |               |                 | 13                  | 130:00                    | 260:00 | 00:00    | -        | 390:00 | 170              | 280 | -     | 100  | 550   | 100                           |

### Elective NOS/s: Not Applicable

| S. No                             | NOS/Module Name | NOS/Module Code & Version (if applicable) | Core/Non-Core | NCrF/NSQF Level | Credits as per NCrF | Training Duration (Hours) |     |          |          |       | Assessment Marks |     |       |      |       |                               |
|-----------------------------------|-----------------|-------------------------------------------|---------------|-----------------|---------------------|---------------------------|-----|----------|----------|-------|------------------|-----|-------|------|-------|-------------------------------|
|                                   |                 |                                           |               |                 |                     | Th.                       | Pr. | OJT-Man. | OJT-Rec. | Total | Th.              | Pr. | Proj. | Viva | Total | Weightage (%) (if applicable) |
| 1.                                |                 |                                           |               |                 |                     |                           |     |          |          |       |                  |     |       |      |       |                               |
| 2.                                |                 |                                           |               |                 |                     |                           |     |          |          |       |                  |     |       |      |       |                               |
| 3.                                |                 |                                           |               |                 |                     |                           |     |          |          |       |                  |     |       |      |       |                               |
| Duration (in Hours) / Total Marks |                 |                                           |               |                 |                     |                           |     |          |          |       |                  |     |       |      |       |                               |

### Optional NOS/s: Not Applicable

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

### Assessment - Minimum Qualifying Percentage

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

**Minimum Pass Percentage – Aggregate at qualification level: 70%** (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

**Minimum Pass Percentage – NOS/Module-wise: Not Applicable%** (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

## Section 3: Training Related

|    |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                         |
|----|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)</b> | Class 10 <sup>th</sup> pass with 6 years of relevant experience required in dumper/tipper operations.<br>OR<br>ITI (Relevant Trade) with 6 years of relevant experience required 6 years of relevant experience required in dumper/tipper operations..<br>OR<br>Diploma (Mining/ Mechanical) with 5 years of relevant experience required in dumper/tipper operations.. |
|----|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|    |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                  | <p>OR<br/>Graduation (Mining/ Mechanical) with 4 years of relevant experience required in dumper/tipper operations..</p> <p>OR<br/>CITS-NCIC (Machinist &amp; Operator, Advance Machine Tool) with 1 year Relevant experience in dumper/tipper operations.</p> <p>AND<br/>Certified for Job role “Dumper/Tipper Operator” and Job Role “Trainer (VET and Skills)” with minimum accepted score of 80% in each.</p>                                                                                                                                                                                                                                                                                                                                                                                     |
| 2. | <b>Master Trainer’s Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)</b> | <p>Class 10th pass with 6 years of relevant experience required in dumper/tipper operations.</p> <p>OR<br/>ITI (Relevant Trade) with 6 years of relevant experience required 6 years of relevant experience required in dumper/tipper operations..</p> <p>OR<br/>Diploma (Mining/ Mechanical) with 5 years of relevant experience required in dumper/tipper operations..</p> <p>OR<br/>Graduation (Mining/ Mechanical) with 4 years of relevant experience required in dumper/tipper operations..</p> <p>OR<br/>CITS-NCIC (Machinist &amp; Operator, Advance Machine Tool) with 1 year Relevant experience in dumper/tipper operations.</p> <p>AND<br/>Certified for Job role “Dumper/Tipper Operator” and Job Role “Master Trainer (VET and Skills)” with minimum accepted score of 90% in each.</p> |
| 3. | <b>Tools and Equipment Required for Training</b>                                                                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If “Yes”, details to be provided in Annexure)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4. | <b>In Case of Revised Qualification, Details of Any Upskilling Required for Trainer</b>                          | Trainers need to get updated for Employability Skills of 30 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Section 4: Assessment Related

|    |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>Assessor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)</b> | <p>Class 10th pass with 8 years of relevant experience required in dumper/tipper operations.</p> <p>OR<br/>ITI (Relevant Trade) with 6 years of relevant experience required 8 years of relevant experience required in dumper/tipper operations.</p> <p>OR<br/>Diploma (Mining/ Mechanical) with 7 years of relevant experience required in dumper/tipper operations.</p> <p>OR<br/>Graduation (B-Tech in Mining/ Mechanical) with 6 years of relevant experience required in dumper/tipper operations.</p> <p>OR</p> |
|----|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|    |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                              | CITS-NCIC (Machinist & Operator, Advance Machine Tool) with 1 year Relevant experience in dumper/tipper operations.<br>AND<br>Certified for Job role “Dumper/Tipper Operator” and Job Role “Assessor (VET and Skills)” with minimum accepted score of 80% in each.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2. | <b>Proctor’s Qualification and experience in relevant sector (in years)</b> <i>(as per NCVET guidelines)</i>                 | Class 10 <sup>th</sup> pass with 6 years of relevant experience required in dumper/tipper operations.<br>OR<br>ITI (Relevant Trade) with 6 years of relevant experience required 6 years of relevant experience required in dumper/tipper operations..<br>OR<br>Diploma (Mining/ Mechanical) with 5 years of relevant experience required in dumper/tipper operations..<br>OR<br>Graduation (Mining/ Mechanical) with 4 years of relevant experience required in dumper/tipper operations..<br>OR<br>CITS-NCIC (Machinist & Operator, Advance Machine Tool) with 1 year Relevant experience in dumper/tipper operations.<br>AND<br>Certified for Job role “Dumper/Tipper Operator” and Job Role “Trainer (VET and Skills)” with minimum accepted score of 80% in each.  |
| 3. | <b>Lead Assessor’s/Proctor’s Qualification and experience in relevant sector (in years)</b> <i>(as per NCVET guidelines)</i> | Class 10th pass with 8 years of relevant experience required in dumper/tipper operations.<br>OR<br>ITI (Relevant Trade) with 6 years of relevant experience required 8 years of relevant experience required in dumper/tipper operations.<br>OR<br>Diploma (Mining/ Mechanical) with 7 years of relevant experience required in dumper/tipper operations.<br>OR<br>Graduation (B-Tech in Mining/ Mechanical) with 6 years of relevant experience required in dumper/tipper operations.<br>OR<br>CITS-NCIC (Machinist & Operator, Advance Machine Tool) with 1 year Relevant experience in dumper/tipper operations.<br>AND<br>Certified for Job role “Dumper/Tipper Operator” and Job Role “Lead Assessor (VET and Skills)” with minimum accepted score of 90% in each. |
| 4. | <b>Assessment Mode</b> <i>(Specify the assessment mode)</i>                                                                  | Tablet based/ Online                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5. | <b>Tools and Equipment Required for Assessment</b>                                                                           | <input checked="" type="checkbox"/> Same as for training <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(details to be provided in Annexure-if it is different for Assessment)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

|    |                                                                                                        |
|----|--------------------------------------------------------------------------------------------------------|
| 1. | <b>Latest Skill Gap Study (not older than 2 years) (Yes/No):</b> Yes                                   |
| 2. | <b>Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):</b> No        |
| 3. | <b>Government /Industry initiatives/ requirement (Yes/No):</b> Yes                                     |
| 4. | <b>Number of Industry validation provided:</b> 21                                                      |
| 5. | <b>Estimated nos. of persons to be trained and employed:</b> 12000                                     |
| 6. | <b>Evidence of Concurrence/Consultation with Line Ministry/State Departments:</b> Yes<br>If "No", why: |

## Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

|     |                                                                                                                      |                |
|-----|----------------------------------------------------------------------------------------------------------------------|----------------|
| 1.  | <b>Annexure:</b> NCrf/NSQF level justification based on NCrf level/NSQF descriptors (Mandatory)                      | Attached       |
| 2.  | <b>Annexure:</b> List of tools and equipment relevant for qualification (Mandatory, except in case of online course) | Attached       |
| 3.  | <b>Annexure:</b> Detailed Assessment Criteria (Mandatory)                                                            | Attached       |
| 4.  | <b>Annexure:</b> Assessment Strategy (Mandatory)                                                                     | Attached       |
| 5.  | <b>Annexure:</b> Blended Learning (Mandatory, in case selected Mode of delivery is "Blended Learning")               | Not Applicable |
| 6.  | <b>Annexure:</b> Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)              | Filled         |
| 7.  | <b>Annexure:</b> Acronym and Glossary (Optional)                                                                     | Filled         |
| 8.  | <b>Supporting Document:</b> Model Curriculum (Mandatory – Public view)                                               | Attached       |
| 9.  | <b>Supporting Document:</b> Career Progression (Mandatory - Public view)                                             | Attached       |
| 10. | <b>Supporting Document:</b> Occupational Map (Mandatory)                                                             | Attached       |
| 11. | <b>Supporting Document:</b> Assessment SOP (Mandatory)                                                               | Attached       |
| 12. | <b>Any other document you wish to submit:</b>                                                                        | No             |

## Annexure: Evidence of Level

| NCrF/NSQF Level Descriptors                                                                 | Key requirements of the job role/ outcome of the qualification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | How the job role/ outcomes relate to the NCrF/NSQF level descriptor                                                                                                                                                                                                                                                                                                | NCrF/NSQF Level |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Professional Theoretical Knowledge/Process</b>                                           | This process requires the individual to concentrate on the job at hand and complete it without any accidents so diligence and hardworking is a desired attribute for individuals in this role. The individual should also be skilled in performing various driving and maneuvering operations with the Dumper.                                                                                                                                                                                                                                                                                                                    | Dumper/Tipper Operator, drive the Dumper/tipper to hauling the blasted materials from site with considering all safety precaution.                                                                                                                                                                                                                                 | 3               |
| <b>Professional and Technical Skills/ Expertise/ Professional Knowledge</b>                 | Different types of heavy earth moving machines (H.E.M.M) and their use, introduction to diesel and petrol engines, their sub-components and function, different gears and their power transmission mechanism, different types of steering mechanisms, functioning of hydraulic systems in dumpers Controls, levers and switches in order to operate the Dumper properly, knowledge of general safety rules vis-à-vis loading, hauling, dumping, stocking and parking, Signage, mining area signs and other safety and emergency signals, traffic rules to be followed inside the mining yard. Movement of men in open cast mines. | Check dairy fitness of the vehicle i.e. vehicle aggregates and assemblies, including steering mechanisms, service brakes and parking brakes, alarms and signalling devices, instrument panel, controls, levers and switches, correct oil pressures and temperatures etc. in respect of Health and Safety.                                                          | 3               |
| <b>Employment Readiness &amp; Entrepreneurship Skills &amp; Mind-set/Professional Skill</b> | Correct maintenance procedures for Dumper, response to emergencies e.g. correct way to use fire extinguisher. Fill out checklist /maintenance logbooks detailing maintenance activities conducted. Track machine-operating hours to assess the right service schedule.Ensure the machine is on firm and level ground before attempting to carry out any maintenance activity. Ensure that no maintenance task on the engine performed when running or still hot.                                                                                                                                                                  | Provide full attention for production work in given time and make decisions pertaining to the concerned area of work. Detect problems in day by day tasks and able to resolve them. Also able to make decision in emergency condition.                                                                                                                             | 3               |
| <b>Broad Learning Outcomes/Core Skill</b>                                                   | Loading and hauling the load to the designated destination, Discharging the load in correct way by tipping the dump with careful man-oeuvring of hoist lever. Clean footplates, pedals and steps free from mud, dirt, ice and snow.                                                                                                                                                                                                                                                                                                                                                                                               | Records and note down the routine work and observation and comply task list related to safety aspect such as firefighting process, handling Explosive safely, control dust on haul road etc. and notify the same to senior. Hence, Communication written and oral, with minimum required clarity, skill of basic arithmetic and algebraic principles are required. | 3               |
| <b>Responsibility</b>                                                                       | The Dumper/Tipper operator drives a heavy specialized truck used to haul large volumes of over burden, rock or ore over short distances. The dumper operator then uses the body hoist control lever to tip the rear part of the truck in order to discharge its load to rear, bottom or one side of the truck. Dumper operators are responsible to check that their safety                                                                                                                                                                                                                                                        | Works independently as per the instruction of supervisor/ Shift In-charge/Mines Manager.                                                                                                                                                                                                                                                                           | 3               |

|  |                                                                                  |  |  |
|--|----------------------------------------------------------------------------------|--|--|
|  | systems are working properly and for performing basic maintenance on the Dumper. |  |  |
|--|----------------------------------------------------------------------------------|--|--|

### Annexure: Tools and Equipment (Lab Set-Up)

(It needs to be as per Industry needs)

List of Tools and Equipment

Batch Size: 30

| S. No. | Tool / Equipment Name                               | Specification | Quantity for specified Batch size |
|--------|-----------------------------------------------------|---------------|-----------------------------------|
| 1.     | Posters for describing different types of mines     | Standard      | 1 of each type                    |
| 2.     | Dumper/tipper                                       | Standard      | 1                                 |
| 3.     | Vehicle driver tool box                             | Standard      | 1                                 |
| 4.     | Helmet                                              | Standard      | 15                                |
| 5.     | Dust mask                                           | Standard      | 15                                |
| 6.     | Goggles                                             | Standard      | 15                                |
| 7.     | Ear plug                                            | Standard      | 15                                |
| 8.     | Gloves                                              | Standard      | 15                                |
| 9.     | Reflective jacket                                   | Standard      | 15                                |
| 10.    | Safety belt                                         | Standard      | 15                                |
| 11.    | Gum boots                                           | Standard      | 5 pairs                           |
| 12.    | Slide wrench                                        | Standard      | 1                                 |
| 13.    | Dumper/Tipper simulator                             | Standard      | 1                                 |
| 14.    | Spanner set                                         | Standard      | 5                                 |
| 15.    | Pre-check list format                               | Standard      | 5                                 |
| 16.    | Engine oil                                          | Standard      | 1 liter                           |
| 17.    | Transmission oil                                    | Standard      | 1 liter                           |
| 18.    | Hydraulic oil                                       | Standard      | 1 liter                           |
| 19.    | Grease can                                          | Standard      | 1                                 |
| 20.    | Grease gun                                          | Standard      | 1                                 |
| 21.    | Log books                                           | Standard      | 3                                 |
| 22.    | Pre-checklist format                                | Standard      | 3                                 |
| 23.    | Posters of tools                                    | Standard      | 3                                 |
| 24.    | Poster of "5-S"                                     | Standard      | 3                                 |
| 25.    | Poster of Dumper/Tipper (describing the components) | Standard      | 3                                 |

|     |                                                                            |          |                |
|-----|----------------------------------------------------------------------------|----------|----------------|
| 26. | Grinder                                                                    | Standard | 3              |
| 27. | Sanders                                                                    | Standard | 3              |
| 28. | Impact wrench                                                              | Standard | 3              |
| 29. | Chain sling                                                                | Standard | 3              |
| 30. | Rope sling                                                                 | Standard | 3              |
| 31. | Hook                                                                       | Standard | 3              |
| 32. | Shackle                                                                    | Standard | 3              |
| 33. | Swivel                                                                     | Standard | 3              |
| 34. | Coupling                                                                   | Standard | 5              |
| 35. | Socket                                                                     | Standard | 5              |
| 36. | Clamp                                                                      | Standard | 15             |
| 37. | Tray                                                                       | Standard | 15             |
| 38. | Chain pulley                                                               | Standard | 15             |
| 39. | Sample of engine oil                                                       | Standard | 1 liter        |
| 40. | Hydraulic oil                                                              | Standard | 1 liter        |
| 41. | Poster showing brake system                                                | Standard | 1 of each type |
| 42. | Poster showing cooling system                                              | Standard | 1 of each type |
| 43. | Poster showing hydraulic system                                            | Standard | 1 of each type |
| 44. | Maintenance based log books                                                | Standard | 5              |
| 45. | Harness                                                                    | Standard | 15             |
| 46. | Safety shoes                                                               | Standard | 5 pairs        |
| 47. | Fire extinguisher                                                          | Standard | 1              |
| 48. | Types of log book                                                          | Standard | 1              |
| 49. | First Aid box                                                              | Standard | 1              |
| 50. | MCDR                                                                       | Standard | 1              |
| 51. | MCR                                                                        | Standard | 3              |
| 52. | Company's SOP; Diagrams showing quarries                                   | Standard | 3              |
| 53. | Company's Safety Management Plan (SMP) and Emergency Management Plan (EMP) | Standard | 1              |

#### Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Whiteboard, Pin Up boards, Demonstration Table
2. LCD Projector
3. Computer/Laptop with Internet
4. Trainer Chair and Table
5. Tables
6. Whiteboard markers

### Annexure: Industry Validations Summary

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

| S. No | Organization Name                         | Representative Name | Designation               | Contact Address                                                                         | Contact Phone No | E-mail ID                       | LinkedIn Profile (if available) |
|-------|-------------------------------------------|---------------------|---------------------------|-----------------------------------------------------------------------------------------|------------------|---------------------------------|---------------------------------|
| 1.    | Alxa Chemical                             | Madan Singh Gujar   | Proprietor                | PLOT-26,<br>JAYNARAYANPURI,<br>NIWARU ROAD,<br>JHOTWARA, JAIPUR,<br>RAJASTHAN-302012    | 9829094130       | alxachemical@gmail.com          |                                 |
| 2.    | Caltex Mining Pvt Ltd                     | Kartik Paul         | Executive                 | 8A, Rajmohan Street, 3rd Floor, Kolkata - 700 073                                       | 09874388894      | caltexminigit@rediffmail.com    |                                 |
| 3.    | East India Minerals Limited               | Pushpak Mishra      | GM (Commercial)           | 6, Waterloo St, Esplanade, Chowringhee North, Bow Barracks, Kolkata, West Bengal 700069 | 9830059283       | pushpak_mishra@hotmail.com      |                                 |
| 4.    | GS Atwal and Co                           | Vikram Dewan        | Purchase Head             | 4B, Little Russel St, Kankaria Estates, Park Street area, Kolkata, West Bengal 700071   | 033 2282 4115    | gsengineers@gmail.com           |                                 |
| 5.    | Integrated Coal and Mining Limited (ICML) | Niladri Topodar     | Assistant Manager (HR/IR) | Hindustan Colas, 6, Church Ln, B.B.D. Bagh, Kolkata, West Bengal 700001                 | 033 2210 9360    | nilidri.topodar@rpgs.com        |                                 |
| 6.    | Maheshwari Mining Pvt. Ltd                | Jayram Koushik      | VP                        | 21, C.L.M. Lane,                                                                        | 9810706023       | jayaram.koushik@maheshwaree.com |                                 |

|     |                             |                   |                         |                                                                                                                                            |                       |                       |  |
|-----|-----------------------------|-------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|--|
|     |                             |                   |                         | P.O.-Raniganj-713347,<br>Dist.-Paschim<br>Bardhaman, W.B., India                                                                           |                       |                       |  |
| 7.  | Amnex                       | Abhijit Anand     | Group Head              | Mondeal Heights, Wing-B,<br>1201/1202/1301,<br>Sarkhej - Gandhinagar<br>Hwy, Ahmedabad, Gujarat<br><br>380015                              | 97277 47451           | info@amnex.com        |  |
| 8.  | Jindal Steel & Power        | Vivek Gupta       | Corporate Head          | Jindal Centre 12,<br><br>Bhikaiji Cama Place,<br><br>New Delhi - 110 066,<br>INDIA                                                         | 91 11 26188340-<br>50 | info@jindalsteel.com  |  |
| 9.  | Naaraayani                  | Khurshid Alam     | Managing Partner        | Khatore Bagan, Basti<br>Road, Barbil, Dist -<br>Kendujhar, Odisha -<br>758035                                                              | 6767351080            | info@naaraayani.com   |  |
| 10. | Mine Magma                  | M Manjunath Reddy | Proprietor              | 430, 3rd Floor, 5th A<br>Cross Rd, HRBR Layout<br>2nd Block, HRBR Layout,<br>Kalyan Nagar, Bengaluru,<br>Karnataka 560043                  | 99867 07359           | contact@minemagma.com |  |
| 11. | JSW Cement                  | Shweta Gaighani   | Assistant Manager<br>HR | Near MMRDA Grounds,<br>Kolivery Village,<br><br>MMRDA Area, Bandra<br>Kurla Complex,<br><br>Bandra East, Mumbai,<br><br>Maharashtra 400051 | 1800 266 266 1        | info@jswcement.in     |  |
| 12. | BGR Mining and<br>Infra Ltd | Vivek Gupta       | Corporate Head          | BGR Mining & Infra Ltd.                                                                                                                    | 91 40 23351932        | ho.hyd@bgrmining.com  |  |

|     |                              |                |                               |                                                                                                                                                                 |                      |                                                                      |  |
|-----|------------------------------|----------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------|--|
|     |                              |                |                               | #8-2-596/R, Road No.10,<br>Banjara Hills, Hyderabad,<br>Telangana, India -<br>500034                                                                            |                      |                                                                      |  |
| 13. | Saurashtra Cement<br>Limited | M Trivadi      | GM                            | Saurashtra Cement<br>Limited Off Veraval<br>Kodinar Highway<br>Sidheegram - 362 276<br>Taluka Sutrapada Distr.<br>Junagadh (Gujarat)                            | 02876 - 268200       | pralhad@mehtagroup.com                                               |  |
| 14. | Dalmia Bharat<br>Cement      | Avnvs Murthy   | Unit Head- Ariyalur<br>unit   | Dalmia Cement (Bharat)<br>Limited<br><br>Tamaraikulam, Ariyalur<br>District - 621 705, Tamil<br>Nadu                                                            | +91 11<br>23465100   | corpcomm@dalmiabharat.com                                            |  |
| 15. | ACC LIMITED                  | G. Srivastava  | HR Head                       | Adani Corporate House<br>Shantigram, S. G.<br>Highway, Khodiyar,<br>Ahmedabad - 382 421,<br>Gujarat, India                                                      | +91 79-2555<br>5555  | acchelp@adani.com                                                    |  |
| 16. | VPR                          | K Vijay Kumarj | DGM-HR                        | D.No.8-2-<br>293/82/A/1259, 3rd<br>Floor,<br><br>Plot No.1259, Lakshmi<br>Towers,<br><br>Road No.36, Jubilee Hills,<br><br>Hyderabad - 500 033<br><br>Telangana | 040 -<br>23551862/63 | <a href="mailto:info@vprmininginfra.com">info@vprmininginfra.com</a> |  |
| 17. | Rungta Mines<br>Limited      | G Vidhyanathan | Group Head Mining<br>division | RUNGTA MINES LIMITED<br>is 8A EXPRESS TOWER,<br>42A SHAKESPEARE                                                                                                 | 033 2281 3751        | INFO@THERUNGTAGROUP.COM                                              |  |

|     |                                        |                |                                   |                                                                                        |                 |                                                |  |
|-----|----------------------------------------|----------------|-----------------------------------|----------------------------------------------------------------------------------------|-----------------|------------------------------------------------|--|
|     |                                        |                |                                   | SARANI , KOLKATA, West Bengal, India - 700017.                                         |                 |                                                |  |
| 18. | Elixir Engineering                     | H P Rajesh Rao | HR General Manager                | 6, 1st Floor, SFHS Shopping Area, Nandini Layout, Bangalore - 560 096.                 | 91-8023196645   | info@elixirengineering.com/elixireng@gmail.com |  |
| 19. | Shyam Metallic                         | Birendra Kumar | Assistant General Manager         | Tower 7th Floor, Trinity, 83, E Topsia Rd, Kolkata, West Bengal 700046                 | 1800 202 2233   | contact@shyamgroup.com                         |  |
| 20. | Sainik Mining and Allied Services Ltd. | Lokendra Sethi | Plant Head                        | 7th Floor, Corporate Tower, Ambience Mall NH-8, Gurgaon - 122001, Haryana              | +91 124-2719000 | info@sainikmining.com                          |  |
| 21. | Thriveni Sainik                        | Swathi Sinha   | Corporate Communication & HR Head | Barwadih Coal Mining Project, Langatu, Barkagaon, Hazaribag - 825311, Jharkhand, India | 91 6546-223115  | info@thrivenisainik.com                        |  |

## Annexure: Training & Employment Details

### Training and Employment Projections:

| Year    | Total Candidates     |                                    | Women                |                                    | People with Disability |                                    |
|---------|----------------------|------------------------------------|----------------------|------------------------------------|------------------------|------------------------------------|
|         | Estimated Training # | Estimated Employment Opportunities | Estimated Training # | Estimated Employment Opportunities | Estimated Training #   | Estimated Employment Opportunities |
| 2025-26 | 2000                 | 2000                               | 500                  | 500                                | Not Applicable         | Not Applicable                     |
| 2026-27 | 4000                 | 4000                               | 1000                 | 1000                               | Not Applicable         | Not Applicable                     |
| 2027-28 | 6000                 | 6000                               | 1500                 | 1500                               | Not Applicable         | Not Applicable                     |

Data to be provided year-wise for next 3 years

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

| Qualification Version | Year | Total Candidates |          |           |        | Women   |          |           |        | People with Disability |          |           |        |
|-----------------------|------|------------------|----------|-----------|--------|---------|----------|-----------|--------|------------------------|----------|-----------|--------|
|                       |      | Trained          | Assessed | Certified | Placed | Trained | Assessed | Certified | Placed | Trained                | Assessed | Certified | Placed |

|     |         |     |     |     |               |               |               |               |               |                |                |                |                |
|-----|---------|-----|-----|-----|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 2.0 | 2022-23 | 634 | 610 | 582 | Not available | Not available | Not available | Not available | Not available | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 2.0 | 2023-24 | 798 | 784 | 733 | Not available | Not available | Not available | Not available | Not available | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| 2.0 | 2024-25 | 966 | 767 | 815 | Not available | Not available | Not available | Not available | Not available | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

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

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

1. Industry funded, NULM
2. PMKVY 4.0, SANKALP

**Content availability for previous versions of qualifications:**

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

**Languages in which Content is available:** English and Hindi

## Annexure: Blended Learning

**Blended Learning Estimated Ratio & Recommended Tools:**

**Refer NCVET "Guidelines for Blended Learning for Vocational Education, Training & Skilling" available on:**

| S. No. | Select the Components of the Qualification                                                                               | List Recommended Tools – for all Selected Components                                                                                                         | Offline : Online Ratio                          |
|--------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1      | <input checked="" type="checkbox"/> Theory/ Lectures - Imparting theoretical and conceptual knowledge                    | <ul style="list-style-type: none"> <li>● Books/ e-books</li> <li>● Presentations</li> <li>● Reference Material</li> <li>● Audio / Video Modules</li> </ul>   | Only Offline. Online only on exceptional cases. |
| 2      | <input checked="" type="checkbox"/> Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners | <ul style="list-style-type: none"> <li>● Self-Learning Videos</li> <li>● Broadcasts</li> <li>● Mobile Learning</li> <li>● Curated Digital content</li> </ul> | Only Offline. Online only on exceptional cases. |
| 3      | <input checked="" type="checkbox"/> Showing Practical Demonstrations to the learners                                     | <ul style="list-style-type: none"> <li>● Video Content</li> <li>● E-Resource library</li> <li>● AR/ VR/ XR</li> </ul>                                        | Only Offline                                    |
| 4      | <input checked="" type="checkbox"/> Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training         | <ul style="list-style-type: none"> <li>● Training tools (tools list attached)</li> <li>● Video Play</li> <li>● Presentations</li> </ul>                      | Only Offline                                    |

|   |                                                                                                                 |                                                                                                                                                   |                                                 |
|---|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 5 | <input checked="" type="checkbox"/> Tutorials/ Assignments/ Drill/ Practice                                     | <ul style="list-style-type: none"> <li>Online Question Bank</li> <li>Mobile Quick test app</li> <li>MCQ based tests</li> </ul>                    | Only Offline. Online only on exceptional cases. |
| 6 | <input checked="" type="checkbox"/> Proctored Monitoring/ Assessment/ Evaluation/ Examinations                  | <ul style="list-style-type: none"> <li>Assessment engine for Essays</li> <li>Up-loadable file examinations</li> <li>Mock test sessions</li> </ul> | Tablet based/Online                             |
| 7 | <input checked="" type="checkbox"/> On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training | <ul style="list-style-type: none"> <li>Online tests</li> <li>Offline assessments</li> </ul>                                                       | Only Offline                                    |

### Annexure: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

| NOS/Module Name                                            | Assessment Criteria for Performance Criteria/Learning Outcomes                                                                                                                                                                                    | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|---------------|------------|
| <b>MIN/N1405: Prepare the Dumper/Tipper for operations</b> | <i>Conducting pre-operation checks and routine maintenance of the Dumper/Tipper</i>                                                                                                                                                               | <b>27</b>    | <b>46</b>       | -             | <b>18</b>  |
|                                                            | <b>PC1.</b> follow the work related instructions given by the supervisor before the shift starts                                                                                                                                                  | 1            | 2               | -             | 1          |
|                                                            | <b>PC2.</b> check oil levels of engine, differential, hydraulic tank etc. and top up as required                                                                                                                                                  | 1            | 3               | -             | 1          |
|                                                            | <b>PC3.</b> check water level in the radiator and top up as required                                                                                                                                                                              | 1            | 2               | -             | 1          |
|                                                            | <b>PC4.</b> confirm availability and functionality of safety features in the Dumper/Tipper like audiovisual alarm, reverse camera, mirrors, horn, seat belt, Roll-Over Protection Structure (ROPS) and Falling Object Protective Structure (FOPS) | 2            | 3               | -             | 1          |
|                                                            | <b>PC5.</b> check fan belt tension, electrolyte level, and batteries' terminal tightness                                                                                                                                                          | 2            | 3               | -             | 1          |
|                                                            | <b>PC6.</b> clean the Dumper/Tipper and outer element of an air cleaner with compressed air                                                                                                                                                       | 2            | 2               | -             | 1          |
|                                                            | <b>PC7.</b> apply grease to all the required parts                                                                                                                                                                                                | 1            | 2               | -             | 1          |
|                                                            | <b>PC8.</b> drain accumulated water from the diesel tank                                                                                                                                                                                          | 1            | 2               | -             | 1          |
|                                                            | <b>PC9.</b> check correct air pressure in tires                                                                                                                                                                                                   | 1            | 3               | -             | 1          |
|                                                            | <b>PC10.</b> check and take action as per the entries done by the previous operator in the Dumper/Tipper logbook                                                                                                                                  | 2            | 3               | -             | 1          |

|                                                    |                                                                                                                                                                |           |           |          |           |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|
|                                                    | PC11. check for any spills/leakages in the engine, hydraulic systems, differential etc.                                                                        | 1         | 3         | -        | 1         |
|                                                    | PC12. plug spill, leakage of oil and lubricants and escalate to appropriate authority if unable to rectify                                                     | 1         | 2         | -        | 1         |
|                                                    | PC13. check functioning of fire extinguishers, automatically operated fire suppression system and devices including fire detection system in the Dumper/Tipper | 2         | 2         | -        | 1         |
|                                                    | PC14. clean air filter dust bowls                                                                                                                              | 1         | 2         | -        | 1         |
|                                                    | PC15. ensure the locking bar is in position to prevent the front and rear chassis moving and creating a crushing zone (articulated machines only)              | 2         | 2         | -        | 1         |
|                                                    | PC16. keep footplates and steps clean and free from dirt and oil                                                                                               | 1         | 2         | -        | -         |
|                                                    | PC17. check main brake and emergency brakes, engine cooling system, lifting jacks                                                                              | 2         | 3         | -        | 1         |
|                                                    | PC18. check different types of levers provided in the Dumper/Tipper.                                                                                           | 1         | 3         | -        | 1         |
|                                                    | PC19. check and adjust driving position, rear and side mirrors, seat belts and confirm clear uninterrupted vision all around                                   | 2         | 2         | -        | 1         |
|                                                    | <i>Recording and reporting the details of Dumper/Tipper's pre-operation inspection and maintenance</i>                                                         | 3         | 4         | -        | 2         |
|                                                    | PC20. maintain the operation and maintenance logbook to detail all activities conducted before starting the Dumper/Tipper                                      | 1         | 2         | -        | 1         |
|                                                    | PC21. inform the supervisor of those problems which are not under one's purview                                                                                | 2         | 2         | -        | 1         |
|                                                    | <b>NOS Total</b>                                                                                                                                               | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
| <b>MIN/N1406: Perform Dumper/Tipper operations</b> | <i>Starting and driving the Dumper/Tipper</i>                                                                                                                  | <b>20</b> | <b>33</b> | <b>-</b> | <b>13</b> |
|                                                    | PC1. use Dumper/Tipper in an optimum way as per the instruction manual                                                                                         | 2         | 3         | -        | 1         |
|                                                    | PC2. start the engine by using pushbutton and key switch together                                                                                              | 1         | 3         | -        | 1         |
|                                                    | PC3. select correct gear range by shifting the quadrant device                                                                                                 | 2         | 3         | -        | 2         |
|                                                    | PC4. maintain a safe distance between the two Dumpers/Tippers while driving                                                                                    | 1         | 3         | -        | 1         |

|  |                                                                                                                                             |           |           |          |           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|
|  | PC5. follow all bye-laws while driving the Dumper/Tipper                                                                                    | 3         | 3         | -        | 2         |
|  | PC6. identify and report any unsafe condition while driving the Dumper/Tipper such as trenches, potholes and cables etc.                    | 1         | 3         | -        | 1         |
|  | PC7. use various signalling devices available in the Dumper/Tipper such as turn signal, parking indicator, air horn etc. as per requirement | 1         | 3         | -        | 1         |
|  | PC8. take proper precautions while reversing the Dumper/Tipper                                                                              | 2         | 3         | -        | 1         |
|  | PC9. park the Dumper/Tipper at an appropriate place                                                                                         | 3         | 3         | -        | 1         |
|  | PC10. use parking brakes and stopper after parking the Dumper/Tipper                                                                        | 2         | 3         | -        | 1         |
|  | PC11. drive Dumper/Tipper within the required cycle time in all situations, to achieve production targets                                   | 2         | 3         | -        | 1         |
|  | <i>Loading and hauling the load to the designated destination</i>                                                                           | 4         | 5         | -        | 2         |
|  | PC12. place the Dumper/Tipper at correct spotting location on the loading site                                                              | 2         | 2         | -        | 1         |
|  | PC13. operate Dumper/Tipper while ensuring stipulated load and operating within speed limits, as specified by the manufacturer              | 2         | 3         | -        | 1         |
|  | PC14. prepare the haul road by maintaining the required road quality and dimensions such as width and thickness                             | 2         | 3         | -        | 1         |
|  | <i>Discharging the ore/waste correctly by tipping operation</i>                                                                             | 6         | 12        | -        | 5         |
|  | PC14. follow the shovel operator's signal/instruction regarding unloading location as per the quality of loaded material                    | 1         | 3         | -        | 1         |
|  | PC15. ensure that the Dumper/Tipper is on the level ground before discharging the load                                                      | 1         | 3         | -        | 2         |
|  | PC16. execute unloading/discharging operation accurately and safely at the site                                                             | 2         | 3         | -        | 1         |
|  | PC17. follow the code of practice for tipping at the Over Burden (OB) dump yard or stockyard framed by the manager                          | 2         | 3         | -        | 1         |
|  | <b>NOS Total</b>                                                                                                                            | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
|  | <i>Performing preventive maintenance</i>                                                                                                    | <b>17</b> | <b>29</b> | <b>-</b> | <b>13</b> |

|                                                                                      |                                                                                                                                                                                                                   |           |           |   |          |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---|----------|
| <b>MIN/N1407: Perform basic maintenance and troubleshooting of the Dumper/Tipper</b> | <b>PC1.</b> track machine operating hours to assess the required service                                                                                                                                          | 2         | 3         | - | 1        |
|                                                                                      | <b>PC2.</b> park the Dumper/Tipper on a firm and level ground before attempting to carry out any maintenance activity                                                                                             | 1         | 4         | - | 2        |
|                                                                                      | <b>PC3.</b> check and maintain the tyre rims, air pressure, wheel nuts and treads                                                                                                                                 | 2         | 4         | - | 2        |
|                                                                                      | <b>PC4.</b> tighten the loose battery terminals with the help of an auto-electrician or HEMM Electrician                                                                                                          | 2         | 3         | - | 1        |
|                                                                                      | <b>PC5.</b> ensure that the Original Equipment Manufacturer (OEM) recommended procedure and checklist is followed for routine servicing                                                                           | 2         | 3         | - | 2        |
|                                                                                      | <b>PC6.</b> replenish coolants, lubricants, and fluids                                                                                                                                                            | 2         | 3         | - | 2        |
|                                                                                      | <b>PC7.</b> carry out the maintenance with Heavy Earth Moving Machinery (HEMM) mechanic or superior in case of non-routine service or repair                                                                      | 2         | 3         | - | 1        |
|                                                                                      | <b>PC8.</b> assist HEMM Mechanic and auto-electrician or HEMM Electrician as and when required                                                                                                                    | 2         | 3         | - | 1        |
|                                                                                      | <b>PC9.</b> fill the daily, weekly and monthly maintenance/defect sheets as per the format lay down by the organization                                                                                           | 2         | 3         | - | 1        |
|                                                                                      | <i>Performing basic diagnosis and troubleshooting</i>                                                                                                                                                             | <b>13</b> | <b>21</b> | - | <b>7</b> |
|                                                                                      | <b>PC10.</b> ensure that no diagnosis on the machine is performed when it is running or is still hot                                                                                                              | 1         | 3         | - | 1        |
|                                                                                      | <b>PC11.</b> identify fault in the Dumper/Tipper and trace the causes of this fault                                                                                                                               | 2         | 3         | - | 1        |
|                                                                                      | <b>PC12.</b> check the instrument panel and control gauge to identify out of range readings to find the defect/cause of failure                                                                                   | 2         | 3         | - | 1        |
|                                                                                      | <b>PC13.</b> conduct scheduled, routine examination and assessments against equipment specifications to identify wear, damage, corrosion, inadequate fluid levels, leaks and general condition and serviceability | 2         | 3         | - | 1        |
|                                                                                      | <b>PC14.</b> check complaint sheet, logbook and history sheet of the equipment and identify repair requirements                                                                                                   | 2         | 3         | - | 1        |
|                                                                                      | <b>PC15.</b> carry out diagnostic procedures as per the troubleshooting checklist prepared by the Original Equipment Manufacturer (OEM)                                                                           | 2         | 3         | - | 1        |
|                                                                                      | <b>PC16.</b> assess when the problem is beyond one's competence and report the problem to concerned person                                                                                                        | 2         | 3         | - | 1        |

|                                                                                                |                                                                                                                                                              |           |           |          |           |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|
|                                                                                                | <b>NOS Total</b>                                                                                                                                             | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
| <b>MIN/N1408: Carry out reporting and documentation related to the Dumper/Tipper Operation</b> | <i>Reporting and documentation</i>                                                                                                                           | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
|                                                                                                | <b>PC1.</b> report completion of job allocated during the shift, problems encountered and further actions that need to be taken                              | 4         | 6         | -        | 2         |
|                                                                                                | <b>PC2.</b> report safety and hazard related problems on urgent and priority basis to the supervisor and the manager                                         | 4         | 6         | -        | 2         |
|                                                                                                | <b>PC3.</b> record the details of the machine operations accurately using the appropriate format                                                             | 3         | 6         | -        | 2         |
|                                                                                                | <b>PC4.</b> identify documentation to be completed                                                                                                           | 4         | 6         | -        | 2         |
|                                                                                                | <b>PC5.</b> prepare all documentation correctly on time                                                                                                      | 3         | 6         | -        | 3         |
|                                                                                                | <b>PC6.</b> ensure that all documents are available to all appropriate authorities for inspection                                                            | 4         | 6         | -        | 3         |
|                                                                                                | <b>PC7.</b> use Mineral Conservation and Development Rules (MCDR) based logbook and fill accurate data in correct format along with the signature at the end | 5         | 7         | -        | 3         |
|                                                                                                | <b>PC8.</b> handover all important information to the reliever in a proper manner                                                                            | 3         | 7         | -        | 3         |
|                                                                                                | <b>NOS Total</b>                                                                                                                                             | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
| <b>MIN/N1703: Follow Health, Safety, and Environmental Guidelines for opencast mines</b>       | <i>Follow work-site health and safety measures</i>                                                                                                           | <b>20</b> | <b>34</b> | <b>-</b> | <b>15</b> |
|                                                                                                | <b>PC1.</b> comply with safety, health, and security- related regulations/guidelines at the opencast mine                                                    | 2         | 2         | -        | 1         |
|                                                                                                | <b>PC2.</b> follow the safety instructions given by the workman's inspector                                                                                  | 1         | 3         | -        | 1         |
|                                                                                                | <b>PC3.</b> follow adequate safety while working at haul roads, heights, overburden dumps, sump area, stockyard, near moving parts, etc.                     | 3         | 3         | -        | 1         |
|                                                                                                | <b>PC4.</b> take safety precautions while working on sites (sub-station, workshop etc.), with equipment, and conducting welding and cutting operations       | 1         | 3         | -        | 1         |
|                                                                                                | <b>PC5.</b> follow appropriate Safe Operating Procedure (SOP) while dealing with explosives                                                                  | 2         | 3         | -        | 2         |
|                                                                                                | <b>PC6.</b> respond promptly and appropriately to an accident/ incident or an emergency situation, within limits of the role and responsibility              | 2         | 3         | -        | 1         |
|                                                                                                | <b>PC7.</b> provide first aid to an injured person                                                                                                           | 2         | 3         | -        | 1         |

|                                                   |                                                                                                                                                                                     |           |           |          |           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|
|                                                   | PC8. operate various types of fire extinguishers to control different types of fire at a worksite when required                                                                     | 1         | 3         | -        | 1         |
|                                                   | PC9. use appropriate PPE as per the requirement                                                                                                                                     | 2         | 4         | -        | 2         |
|                                                   | PC10. maintain hand hygiene by washing hands with alcohol based sanitisers/soap                                                                                                     | 1         | 2         | -        | 1         |
|                                                   | PC11. disinfect the machine/tools before and after work/task                                                                                                                        | 1         | 2         | -        | 1         |
|                                                   | PC12. maintain hygiene at the work site                                                                                                                                             | 1         | 1         | -        | 1         |
|                                                   | PC13. report any symptoms of illness to the shift- incharge                                                                                                                         | 1         | 2         | -        | 1         |
|                                                   | <i>Follow Environmental guidelines</i>                                                                                                                                              | 10        | 16        | -        | 5         |
|                                                   | PC14. identify the environmental impact of related opencast mining operations                                                                                                       | 2         | 2         | -        | 1         |
|                                                   | PC15. follow the process for collecting, storing and disposing of the hazardous material and waste (like used oil, lubricant, battery, etc.) in compliance with worksite guidelines | 1         | 2         | -        | 1         |
|                                                   | PC16. ensure not to mix topsoil with waste in day to day tasks                                                                                                                      | 2         | 2         | -        | 1         |
|                                                   | PC17. ensure that HEMM is washed at the designated location                                                                                                                         | 2         | 2         | -        | 1         |
|                                                   | PC18. ensure the productivity of the machine for material/fuel conservation                                                                                                         | 1         | 3         | -        | -         |
|                                                   | PC19. follow the mineral conservation practices specified by the organization in accordance with MCDR-2017 (Mineral Conservation and Development Rules)                             | 1         | 3         | -        | 1         |
|                                                   | PC20. assist supervisor for reducing environmental impact caused due to related mining operations                                                                                   | 1         | 2         | -        | -         |
|                                                   | <b>NOS Total</b>                                                                                                                                                                    | <b>30</b> | <b>50</b> | <b>-</b> | <b>20</b> |
| DGT/VSQ/N0101:<br>Employability Skills (30 Hours) | <i>Introduction to Employability Skills</i>                                                                                                                                         | 1         | 1         | -        | -         |
|                                                   | PC1. understand the significance of employability skills in meeting the job requirements                                                                                            | -         | -         | -        | -         |
|                                                   | <i>Constitutional values – Citizenship</i>                                                                                                                                          | 1         | 1         | -        | -         |
|                                                   | PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices                                                     | -         | -         | -        | -         |

|                                                                                                                                                                                                                                                          |   |   |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| <i>Becoming a Professional in the 21st Century</i>                                                                                                                                                                                                       | 1 | 3 | - | - |
| PC3. explain 21st Century Skills such as Self- Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc. | - | - | - | - |
| <i>Basic English Skills</i>                                                                                                                                                                                                                              | 2 | 3 | - | - |
| PC4. speak with others using some basic English phrases or sentences                                                                                                                                                                                     | - | - | - | - |
| <i>Communication Skills</i>                                                                                                                                                                                                                              | 1 | 1 | - | - |
| PC5. follow good manners while communicating with others                                                                                                                                                                                                 | - | - | - | - |
| PC6. work with others in a team                                                                                                                                                                                                                          | - | - | - | - |
| <i>Diversity &amp; Inclusion</i>                                                                                                                                                                                                                         | 1 | 1 | - | - |
| PC7. communicate and behave appropriately with all genders and PwD                                                                                                                                                                                       | - | - | - | - |
| PC8. report any issues related to sexual harassment                                                                                                                                                                                                      | - | - | - | - |
| <i>Financial and Legal Literacy</i>                                                                                                                                                                                                                      | 3 | 4 | - | - |
| PC9. use various financial products and services safely and securely                                                                                                                                                                                     | - | - | - | - |
| PC10. calculate income, expenses, savings etc.                                                                                                                                                                                                           | - | - | - | - |
| PC11. approach the concerned authorities for any exploitation as per legal rights and laws                                                                                                                                                               | - | - | - | - |
| <i>Essential Digital Skills</i>                                                                                                                                                                                                                          | 4 | 6 | - | - |
| PC12. operate digital devices and use its features and applications securely and safely                                                                                                                                                                  | - | - | - | - |
| PC13. use internet and social media platforms securely and safely                                                                                                                                                                                        | - | - | - | - |
| <i>Entrepreneurship</i>                                                                                                                                                                                                                                  | 3 | 5 | - | - |
| PC14. identify and assess opportunities for potential business                                                                                                                                                                                           | - | - | - | - |
| PC15. identify sources for arranging money and associated financial and legal challenges                                                                                                                                                                 | - | - | - | - |

|  |                                                                                    |            |            |   |            |
|--|------------------------------------------------------------------------------------|------------|------------|---|------------|
|  | <i>Customer Service</i>                                                            | <b>2</b>   | <b>2</b>   | - | -          |
|  | <b>PC16.</b> identify different types of customers                                 | -          | -          | - | -          |
|  | <b>PC17.</b> identify customer needs and address them appropriately                | -          | -          | - | -          |
|  | <b>PC18.</b> follow appropriate hygiene and grooming standards                     | -          | -          | - | -          |
|  | <i>Getting ready for apprenticeship &amp; Jobs</i>                                 | <b>1</b>   | <b>3</b>   | - | -          |
|  | <b>PC19.</b> create a basic biodata                                                | -          | -          | - | -          |
|  | <b>PC20.</b> search for suitable jobs and apply                                    | -          | -          | - | -          |
|  | <b>PC21.</b> identify and register apprenticeship opportunities as per requirement | -          | -          | - | -          |
|  | <b>NOS Total</b>                                                                   | <b>20</b>  | <b>30</b>  | - | -          |
|  | <b>Grand Total</b>                                                                 | <b>170</b> | <b>280</b> | - | <b>100</b> |

### Annexure: Assessment Strategy

Assessment will be carried out by SCMS affiliated assessment partners. Based on the results of assessment, SCMS certifies the learners. Candidates have to pass online theoretical assessment which is approved by SCMS.

The assessment will have both theory and practical components in 30:70 ratio.

While theory assessment is summative and an online written exam; practical will involve demonstrations of applications and presentations of procedures and other components. Practical assessment will also be summative in nature.

#### Testing Environment: -

Training partner has to share the batch start date and end date, number of trainees and the job role.

Assessment is fixed for a day after the end date of training. It could be next day or later. Assessment will be conducted at the training venue.

Question bank of theory and practical will be prepared by assessment agency and approved by SCMS. From this set of questions, assessment agency will prepare the question paper. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on theoretical knowledge of the subject.

The theory and practical assessments will be carried out on same day. If numbers of candidates are many, more assessors and venue will be organized on same day of the assessment.

| Assessment      |                        |                         |                                                                                                                                          |
|-----------------|------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Assessment Type | Formative or Summative | Strategies              | Examples                                                                                                                                 |
| Theory          | Summative              | Written Examination     | Knowledge of facts related to the job role and functions. Understanding of principles and concepts related to the job role and functions |
| Practical       | Summative              | Structured tasks        | Presentation                                                                                                                             |
| Viva            | Summative              | Questioning and Probing | Mock interview on topics                                                                                                                 |

### Assessment Quality Assurance framework

Only certified assessor can be assigned for conducting assessment. Provision of 100 % video recording with clear audio to be maintained and the same is to be submitted to SCMS.

The training partner will intimate the time of arrival of the assessor and time of leaving the venue.

### Methods of Validation: -

Unless the trainee is registered, the person cannot undergo assessment. To further ensure that the person registered is the person appearing for assessment, id verification will be carried out. Aadhar card number is required of registering the candidate for training. This will form the basis of further verification during the assessment. Assessor conducts the assessment in accordance with the assessment guidelines and question bank as per the job role. The assessor carries tablet with the loaded questions. This tablet is geo tagged and so it is monitored to check their arrival and completion of assessment. Video of the practical session is prepared and submitted to SCMS. Random spot checks/audit is conducted by SCMS assigned persons to check the quality of assessment. Assessment agency will be responsible to put details in SIP.

SCMS will also validate the data and result received from the assessment agency.

### Method of assessment documentation and access

The assessment agency will upload the result of assessment in the portal. The data will not be accessible for change by the assessment agency after the upload. The assessment data will be validated by SCMS assessment team. After upload, only SCMS can access this data. SCMS approves the results within a week and uploads on SIP.

### Annexure: Acronym and Glossary

#### Acronym

| Acronym | Description                                          |
|---------|------------------------------------------------------|
| AA      | Assessment Agency                                    |
| AB      | Awarding Body                                        |
| ISCO    | International Standard Classification of Occupations |
| NCO     | National Classification of Occupations               |

|             |                                          |
|-------------|------------------------------------------|
| <b>NCrF</b> | National Credit Framework                |
| <b>NOS</b>  | National Occupational Standard(s)        |
| <b>NQR</b>  | National Qualification Register          |
| <b>NSQF</b> | National Skills Qualifications Framework |
| <b>OJT</b>  | On the Job Training                      |

#### Glossary

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