

## Qualification Title: **Level 2 NVQ Certificate in Plant Operations (Construction)**

<b>Pathway 1:</b>	Level 2 NVQ Certificate in Plant Operations (Cranes and Specialist Lifting)
<b>Pathway 2:</b>	Level 2 NVQ Certificate in Plant Operations (Fork-lift Trucks)
<b>Pathway 3:</b>	Level 2 NVQ Certificate in Plant Operations (Extracting)
<b>Pathway 4:</b>	Level 2 NVQ Certificate in Plant Operations (Transporting Loads)
<b>Pathway 5:</b>	Level 2 NVQ Certificate in Plant Operations (Work Platforms)
<b>Pathway 6:</b>	Level 2 NVQ Certificate in Plant Operations (Laying and Distributing)
<b>Pathway 7:</b>	Level 2 NVQ Certificate in Plant Operations (Compacting)
<b>Pathway 8:</b>	Level 2 NVQ Certificate in Plant Operations (Processing)
<b>Pathway 9:</b>	Level 2 NVQ Certificate in Plant Operations (Loading and Securing)
<b>Pathway 10:</b>	Level 2 NVQ Certificate in Plant Operations (Road/Rail)
<b>Pathway 11:</b>	Level 2 NVQ Certificate in Plant Operations (Attachments)
<b>Pathway 12</b>	Level 2 NVQ Certificate in Plant Operations (Excavating)
<b>Pathway 13</b>	Level 2 NVQ Certificate in Plant Operations (Sweeping, Cleaning, Clearing)
<b>Pathway 14</b>	Level 2 NVQ Certificate in Plant Operations (Operations Guide)
<b>Pathway 15</b>	Level 2 NVQ Certificate in Plant Operations (Movement Guide)

<b>TQT Value (pathway 1):</b>	<b>160</b>
<b>TQT Value (pathway 2):</b>	<b>210</b>
<b>TQT Value (pathway 3):</b>	<b>210</b>
<b>TQT Value (pathway 4):</b>	<b>170</b>
<b>TQT Value (pathway 5):</b>	<b>170</b>
<b>TQT Value (pathway 6):</b>	<b>300</b>
<b>TQT Value (pathway 7):</b>	<b>210</b>
<b>TQT Value (pathway 8):</b>	<b>170</b>
<b>TQT Value (pathway 9):</b>	<b>310</b>
<b>TQT Value (pathway 10):</b>	<b>250</b>
<b>TQT Value (pathway 11):</b>	<b>240</b>
<b>TQT Value (pathway 12):</b>	<b>250</b>
<b>TQT Value (pathway 13):</b>	<b>180</b>
<b>TQT Value (pathway 14):</b>	<b>230</b>
<b>TQT Value (pathway 15):</b>	<b>170</b>

*\*CITB unit ref for internal use only*

### **Mandatory units for all pathways**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
641	Conforming to general health, safety and welfare in the workplace	1
642	Conforming to productive working practices in the workplace	2

**Optional units for pathway 1  
(Cranes and Specialist Lifting)****ONE Unit**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
387Av2	Preparing and operating compact cranes to lift and transfer loads in the workplace	2
387Ev3	Preparing and operating remote controlled tower cranes to lift and transfer loads in the workplace	2
387Fv2	Preparing and operating overhead cranes to lift and transfer loads in the workplace	2
387Gv2	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2
387Ov2	Preparing and operating hoists to lift and transfer loads in the workplace	2
387Qv2	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2
387Rv2	Preparing and operating skip handlers to lift and transfer loads in the workplace	2
387Sv2	Preparing and operating container handlers to lift and transfer loads in the workplace	2
387Tv2	Preparing and operating self-propelled modular transporters (SPMT) to lift and transfer loads in the workplace	2
387Uv2	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace	2

**Optional units for pathway 2  
(Fork-lift Trucks)****ONE Unit**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
387Hv2	Preparing and operating rough terrain masted forklifts to lift and transfer loads in the workplace	2
387Jv2	Preparing and operating industrial forklift trucks to lift and transfer loads in the workplace	2
387Kv2	Preparing and operating sideloader forklifts to lift and transfer loads in the workplace	2
387Lv2	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2
387Mv2	Preparing and operating reach trucks to lift and transfer loads in the workplace	2

Optional units for pathway 3 (Extracting)	ONE Unit
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*CITB unit ref	Title	Level
388Cv3	Preparing and operating wheeled loading shovels to extract loose materials in the workplace	2
388Ev3	Preparing and operating skid steer loaders to extract loose materials in the workplace	2
388Hv3	Preparing and operating loader compressors to extract loose materials in the workplace	2
388Mv2	Preparing and operating suction and vacuum excavators to extract in the work place	2

Optional units for pathway 4 (Transporting Loads)	ONE Unit
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*CITB unit ref	Title	Level
391Bv3	Preparing and operating forward tipping dumpers to receive, transport and discharge materials in the workplace	2
391Cv3	Preparing and operating rear tipping dump trucks to receive, transport and discharge materials in the workplace	2
391Dv3	Preparing and operating tractors with towed equipment for non-agricultural activities in the workplace	2
391Ev3	Preparing and operating trailer-mounted concrete pumps to receive, pump and discharge materials in the workplace	2
391Fv3	Preparing and operating self-propelled bowsers to receive, transport and discharge materials in the workplace	2
391Gv1	Preparing and operating static concrete placing booms to discharge and place materials in the workplace	2
391Hv1	Preparing and operating volumetric trucks to receive and transport materials in the workplace	2

Optional units for pathway 5 (Work Platforms)	ONE Unit
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*CITB unit ref	Title	Level
392Av3	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2
392Bv3	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	2
392Cv3	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2

Optional units for pathway 6 (Laying and Distributing)		ONE Unit
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*CITB unit ref	Title	Level
393Gv1	Preparing and operating binder spreaders to lay and distribute materials in the workplace	2
393Hv1	Preparing and operating self-propelled spreaders to lay and distribute materials in the workplace	2
393Jv1	Preparing and operating towed scrapers to lay and distribute materials in the workplace	2

Optional units for pathway 7 (Compacting)		ONE Unit
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*CITB unit ref	Title	Level
394Av3	Preparing and operating ride-on rollers to compact materials in the workplace	2
394Bv3	Preparing and operating soil compacters to compact materials in the workplace	2
394Cv3	Preparing and operating landfill compacters to compact materials in the workplace	2

Optional units for pathway 8 (Processing)		ONE Unit
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*CITB unit ref	Title	Level
395Av3	Preparing and operating crushers to process materials in the workplace	2
395Bv3	Preparing and operating screeners to process materials in the workplace	2
395Cv3	Preparing and operating batching plant to process materials in the workplace	2

Mandatory unit for pathway 9 (Loading and Securing)	
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*CITB unit ref	Title	Level
397Cv1	Preparing for, and arranging and securing plant or machinery for transportation in the workplace	2

**Optional units for pathway 9 ONE Unit**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
396Cv1	Preparing to and directing and guiding the movement of vehicles, plant or machinery in the workplace	2
402Av1	Slinging and hand signalling the movement of suspended loads in the workplace	2
659	Operating plant or machinery for non-operational activities in the workplace	2

**Mandatory unit for pathway 10 – plus see optional units for pathway 10 (Road/Rail)**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
398v3	Preparing and operating road/rail adapted plant in the workplace	2

**Mandatory unit for pathway 11 – plus see optional units for pathway 11 (Attachments)**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
399v3	Preparing and operating plant or machinery attachments in the workplace	2

**Optional units for pathways 10 and 11 ONE Unit**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
387Gv2	Preparing and operating excavator cranes to lift and transfer loads in the workplace	2
387Hv2	Preparing and operating rough terrain masted forklifts to lift and transfer loads in the workplace	2
387Lv2	Preparing and operating telescopic handlers to lift and transfer loads in the workplace	2
387Qv2	Preparing and operating lorry loaders or knuckle booms to lift and transfer loads in the workplace	2
388Cv3	Preparing and operating wheeled loading shovels to extract loose materials in the workplace	2
388Ev3	Preparing and operating skid steer loaders to extract loose materials in the workplace	2
388Hv3	Preparing and operating loader compressors to extract loose materials in the workplace	2
391Bv3	Preparing and operating forward tipping dumpers to receive, transport and discharge materials in the workplace	2

391Cv3	Preparing and operating rear tipping dump trucks to receive, transport and discharge materials in the workplace	2
391Dv3	Preparing and operating tractors with towed equipment for non-agricultural activities in the workplace	2
392Av3	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2
392Bv3	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	2
392Cv3	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2

<b>Optional units for pathway 12 (Excavating)</b>	<b>ONE Unit</b>
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<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
389Ev1	Preparing and operating wheeled loading shovels to excavate in the workplace	2
389Gv1	Preparing and operating skid steer loaders to excavate in the workplace	2
389Hv1	Preparing and operating suction and vacuum excavators to excavate in the workplace	2

<b>Mandatory unit for pathway 13 (Sweeping, Cleaning, Clearing)</b>
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<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
761v2	Preparing and operating plant or machinery to sweep, clean or clear in the workplace	2

<b>Mandatory unit for pathway 14 (Operations Guide)</b>
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<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
760v1	Controlling, directing and guiding the operation of plant or machinery in the workplace	2

<b>Mandatory unit for pathway 15 (Movement Guide)</b>
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<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
396Cv1	Preparing to and directing and guiding the movement of vehicles, plant or machinery in the workplace	2

**Additional unit for Pathway 14  
(not compulsory)**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
401v2	Setting out secondary dimensional work control in the workplace	2

**Additional units for all Pathways  
(not compulsory)**

<b>*CITB unit ref</b>	<b>Title</b>	<b>Level</b>
643	Moving, handling and storing resources in the workplace	2
659	Operating plant or machinery for non-operational activities in the workplace	2

## Unit endorsements for Level 2 NVQ Certificate in Plant Operations (Construction)

CITB unit ref	Endorsement
387A	One of the following endorsements required: Compact crane – static stabilisers Compact crane – mobile industrial Compact crane – luffing static Compact crane – 360° pick and carry
387E	The following endorsements required: Tower crane trolley jib – remote controlled
387L	One of the following endorsements required: Telescopic handler industrial telescopic Telescopic handler up to 9 metres Telescopic handler all sizes Telescopic handler all sizes excluding 360° Telescopic handler all sizes including 360°
387O	One of the following endorsements required: Hoist rack and pinion goods Hoist passenger/goods combined Hoist rope operated goods Hoist transport platform
387Q	One of the following endorsements required: Knuckle boom Lorry loader hook Lorry loader clamshell bucket Lorry loader hydraulic clamp
391B	One of the following endorsements required: Forward tipping dumper wheeled Forward tipping dumper tracked
391C	One of the following endorsements required: Dump truck – articulated chassis up to 15 tonne Dump truck – articulated chassis all sizes Dump truck – rigid chassis up to 15 tonne Dump truck – rigid chassis up to 50 tonne Dump truck – rigid chassis all sizes wheeled Dump truck – rigid chassis tracked
392B	One of the following endorsements required: Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self-propelled
396C	One of the following endorsements required: Movement guide marshaller Loader/securer
397C	Two of the following endorsements required: Drive and operate Direct and guide movement Direct and guide operations Slinger/signaller Raised loads Plus one or more of the following endorsements required: Loader/securer Slinger Signaller non STGO, non LGV Loader/securer Slinger Signaller non STGO, LGV Loader/securer Slinger Signaller STGO Loader/securer movement guide marshaller non STGO, non LGV Loader/securer movement guide marshaller non STGO, LGV Loader/securer movement guide marshaller STGO Loader/securer plant driver non STGO, non LGV Loader/securer plant driver non STGO, LGV Loader/securer plant driver STGO

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CITB unit ref	Endorsement
398	One of the following endorsements required: Road rail – forward tipping dumper Road rail – MEWP scissor Road rail – MEWP boom Road rail – crawler tractor/dozer Road rail – knuckle boom crane Road rail – dump truck – articulated chassis Road rail – dump truck – rigid chassis Road rail – excavator 360° wheeled Road rail – excavator 360° tracked Road rail – excavator crane Road rail – crane Road rail – rough terrain forklift truck Road rail – telescopic handler Road rail – agricultural tractor
399	One of the following endorsements required: Rail thimble Rail flail Rail ballast brush Rail ballast/material movement vacuum unit Rail hydraulic rail beam Rail hydraulic sleeper grab Rail trailer Rail tamper Rail vacuum lifter Rail grapple/log grab Auger Sweeper Pecker/hammer Mower Grab Roller Mobile work platform Fork Lifthook Bucket Lifting jib Crusher
401	Three or more of the following endorsements required: Line Level Depth Area Height Angle
402A	The following endorsement required (i.e. own area of work): Slinger signaller – loader securer only
659	Two of the following endorsements required: Hand-operated power tools Static machinery Pedestrian controlled power equipment Tracked plant Wheeled plant Rollers

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CITB unit ref	Endorsement
761	One of the following endorsements required: Road sweeper Pavement sweeper Self-propelled sweeper Pedestrian controlled sweeper Gully cleaner Gully sucker Pedestrian controlled cleaner Plus two of the following: Tipping of lifted materials Scrub clean Hose clean, wet sweep Pressure wash clean Empty or clear by suction Blow clear

**Note:** Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from CITB ([standards.qualifications@citb.co.uk](mailto:standards.qualifications@citb.co.uk)) to ensure the endorsement is appropriate to the unit.