

Qualification Title: **Level 2 NVQ Diploma in Plant Operations (Construction) v6**

- Pathway 1:** Level 2 NVQ Diploma in Plant Operations (Cranes and Specialist Lifting)
- Pathway 2:** Level 2 NVQ Diploma in Plant Operations (Extracting)
- Pathway 3:** Level 2 NVQ Diploma in Plant Operations (Excavating)
- Pathway 4:** Level 2 NVQ Diploma in Plant Operations (Constructing and Forming)
- Pathway 5:** Level 2 NVQ Diploma in Plant Operations (Transporting Loads)
- Pathway 6:** Level 2 NVQ Diploma in Plant Operations (Laying and Distributing)
- Pathway 7:** Level 2 NVQ Diploma in Plant Operations (Road/Rail)
- Pathway 8:** Level 2 NVQ Diploma in Plant Operations (Attachments)
- Pathway 9:** Level 2 NVQ Diploma in Plant Operations (In-shore Marine)
- Pathway 10:** Level 2 NVQ Diploma in Plant Operations (Erecting and Dismantling)

TQT Total (pathway 1):	550
TQT Total (pathway 2):	550
TQT Total (pathway 3):	515
TQT Total (pathway 4):	570
TQT Total (pathway 5):	750
TQT Total (pathway 6):	450
TQT Total (pathway 7):	930
TQT Total (pathway 8):	920
TQT Total (pathway 9)	480
TQT Total (pathway 10)	560

**CITB unit ref for internal use only*

Mandatory units for all pathways

*CITB unit ref	Title	Level
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**

*CITB unit ref	Title	Level
387Bv2	Preparing and operating crawler cranes (above 10 tonnes) to lift and transfer loads in the workplace	2
387Cv2	Preparing and operating tower cranes to lift and transfer loads in the workplace	2
387Dv2	Preparing and operating mobile cranes to lift and transfer loads in the workplace	2
387Pv2	Preparing and operating crawler-tractor side booms to lift and transfer loads in the workplace	2

**Optional units for pathway 2
(Extracting)****ONE Unit**

*CITB unit ref	Title	Level
388Av3	Preparing and operating draglines to extract ground and/or loose materials in the workplace	2
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Dv3	Preparing and operating tracked loading shovels to extract ground and loose materials in the workplace	2
388Fv3	Preparing and operating motorised scrapers to extract, transport and distribute materials in the workplace	2
388Gv3	Preparing and operating trenchers to extract ground and/or loose materials in the workplace	2
388Jv3	Preparing and operating 360 degree excavators to extract ground, face and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
388Mv2	Preparing and operating suction and vacuum excavators to extract in the workplace	2

**Optional units for pathway 3
(Excavating)****ONE Unit**

*CITB unit ref	Title	Level
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
389Av3	Preparing and operating draglines to excavate ground materials in the workplace	2
389Cv3	Preparing and operating 360 degree excavators to excavate ground in the workplace	2
389Dv3	Preparing and operating trenchers to excavate ground in the workplace	2
389Fv1	Preparing and operating tracked loading shovels to excavate ground and loose materials in the workplace	2
389Hv1	Preparing and operating suction and vacuum excavators to excavate in the workplace	2

**Optional units for pathway 4
(Constructing and Forming)****ONE Unit**

*CITB unit ref	Title	Level
390Av3	Preparing and operating graders to form and shape ground and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
390D v1	Preparing and operating formwork rigs to construct and form in the workplace	2

**Mandatory unit for pathway 5
(Transporting Loads)**

*CITB unit ref	Title	Level
391Av3	Preparing and operating truck-mounted boom concrete pumps to receive, pump and discharge materials in the workplace	2

Optional units for pathway 6 (Laying and Distributing)		ONE Unit
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*CITB unit ref	Title	Level
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
393Av3	Preparing and operating soil stabilisers to lay and distribute materials in the workplace	2

Mandatory unit for pathway 7 – plus see optional units for pathway 7 (Road/Rail)
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*CITB unit ref	Title	Level
398v3	Preparing and operating road/rail adapted plant in the workplace	2

Mandatory unit for pathway 8 – plus see optional units for pathway 8 (Attachments)
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*CITB unit ref	Title	Level
399v3	Preparing and operating plant or machinery attachments in the workplace	2

Optional units for pathways 7 and 8		ONE Unit
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*CITB unit ref	Title	Level
388Bv3	Preparing and operating 180 degree excavators to extract and excavate ground and loose materials in the workplace	2
388Dv3	Preparing and operating tracked loading shovels to extract ground and loose materials in the workplace	2
388Jv3	Preparing and operating 360 degree excavators to extract ground, face and/or loose materials in the workplace	2
388Lv1	Preparing and operating crawler tractor dozers to carry out dozer operations in the workplace	2
389Cv3	Preparing and operating 360 degree excavators to excavate ground in the workplace	2

**Mandatory units for pathway 10
(Erecting and Dismantling)**

*CITB unit ref	Title	Level
402Av1	Slinging and hand signalling the movement of suspended loads in the workplace	2
404v2	Erecting and dismantling plant (cranes and rigs) in the workplace	2
643	Moving, handling and storing resources in the workplace	2

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

*CITB unit ref	Title	Level
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 Diploma 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
387C	One of the following endorsements required: Tower crane trolley jib – cab controlled Tower crane trolley jib – remote controlled Tower crane luffing jib – cab controlled
387D	One of the following endorsements required: Mobile crane blocked duties Mobile crane pick and carry duties only Mobile crane all duties
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°
387Q	One of the following endorsements required: Knuckle boom Lorry loader hook Lorry loader clamshell bucket Lorry loader hydraulic clamp
388B	One of the following endorsements required: Excavator 180° crawler and wheeled below 5 tonne Excavator 180° crawler and wheeled above 5 tonne
388J	One of the following endorsements required: Excavator 360° below 10 tonne tracked Excavator 360° below 10 tonne wheeled Excavator 360° above 10 tonne tracked Excavator 360° above 10 tonne wheeled
388L	One of the following endorsements required: Extract Excavate Construct/form Lay/distribute
389C	One of the following endorsements required: Excavator 360° below 10 tonne tracked Excavator 360° below 10 tonne wheeled Excavator 360° above 10 tonne tracked Excavator 360° above 10 tonne wheeled
390D	One of the following endorsements required: Formwork rig slipform vertical Formwork rig slipform horizontal Formwork rig climbing/jumping
392B	One of the following endorsements required: Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self-propelled
393A	One of the following endorsements required: Soil stabiliser self-propelled Soil stabiliser towed

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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
400	Generators Pumps Pedestrian operated plant or machines Mixers Compressors Self powered tools
402A	The following endorsement required (i.e. own area of work): Slinger signaller – erector and dismantler only
403	Six of the following endorsements required: Lift Transfer Extract Excavate Construct Form Receive Access Distribute Demolish Process
404	One of the following endorsements required: Mobile crane Crawler crane Mobile tower crane Self-erect equipment Piling rig Demolition rig

	Drilling rig
659	Two of the following endorsements required: Hand-operated power tools Static machinery Pedestrian controlled power equipment Tracked plant Wheeled plant Rollers

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) to ensure the endorsement is appropriate to the unit.