

Essential Qualifications for Trenchless Operators

1. Subsurface Survey

| Sl. | Competency | Essential Qualification |
|-----|---------------------------------------|---|
| 1. | GO (Geophysical Operator) | 10+2 qualifications with science discipline |
| 2. | GDI (Geophysical Data Interpreter) | Degree in Science/ Engineering having Geology or Physics as one of the subjects or graduate having other specialized qualifications related to geology/ geophysics + Diploma/ PG Diploma in geophysics. |

2. CCTV Pipeline Condition Assessment

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

Installation:

3. Pipe Ramming

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

4. Horizontal Directional Drilling (HDD)

| Sl. | Competency | Essential Qualification |
|-----|---------------------------------------|---|
| 1. | OFCD (Optical fiber cable driller) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |
| 2. | LDSD (Light duty steel driller) | OFCD Certified with 2 years relevant experience |
| 3. | MDSD (Medium duty steel driller) | LDSD Certified with 2 years relevant experience |
| 4. | HDSD (High duty steel driller) | MDSD Certified with 2 years relevant experience |

5. Auger Boring

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

6. Microtunneling & Pipe Jacking

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

Rehabilitation:

7. Slip Lining

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

8. Cured in Place Pipe

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

9. Sprayed Lining

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |

Renewal:

10. Pneumatic/Static Pipe Bursting

| Sl. | Competency | Essential Qualification |
|-----|----------------------------|---|
| 1. | BC 1 (Basic Competency) | Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 th class pass + 4 years relevant experience |