

## **Minimum Essential Qualifications for Fresh Trenchless Operators/Technicians**

### **1. Subsurface Survey**

<b>Sl.</b>	<b>Competency</b>	<b>Minimum Essential Qualifications</b>
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**

<b>Sl.</b>	<b>Competency</b>	<b>Minimum Essential Qualifications</b>
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### **Installation:**

### **3. Pipe Ramming**

<b>Sl.</b>	<b>Competency</b>	<b>Minimum Essential Qualifications</b>
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### **4. Horizontal Directional Drilling (HDD)**

<b>Sl.</b>	<b>Competency</b>	<b>Minimum Essential Qualifications</b>
1.	OFCD (Optical fiber cable driller)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience
2.	LDSD(Light duty steel driller)	OFCD Certified with 2 years relevant experience
3.	WPD( Water Pipeline Driller)	10 <sup>th</sup> class pass + 4 years relevant experience
4.	SPD( Sewer Pipeline Driller)	10 <sup>th</sup> class pass + 4 years relevant experience
5.	MDSO (Medium duty steel driller)	LDSD Certified with 2 years relevant experience
6.	HDSO (Heavy duty steel driller)	MDSO Certified with 2 years relevant experience
7.	HDD Locating Specialist (BC 1)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience
8.	HDD Locating Specialist (BC 2)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### **5. Auger Boring**

<b>Sl.</b>	<b>Competency</b>	<b>Essential Qualifications</b>
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### **6. Microtunneling & Pipe Jacking**

<b>Sl.</b>	<b>Competency</b>	<b>Minimum Essential Qualifications</b>
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### **Rehabilitation:**

### 7. Slip Lining

Sl.	Competency	Minimum Essential Qualifications
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### 8. Cured in Place Pipe

Sl.	Competency	Minimum Essential Qualifications
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### 9. Sprayed Lining

Sl.	Competency	Minimum Essential Qualifications
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

### Renewal:

### 10. Pneumatic/Static Pipe Bursting

Sl.	Competency	Minimum Essential Qualifications
1.	BC 1 (Basic Competency)	Degree/Diploma in Civil, Electrical, Mechanical or Trenchless Engineering Or 10 <sup>th</sup> class pass + 4 years relevant experience

**NOTE:** Candidates possessing the minimum Essential Qualification would be required to undergo training in the chosen field & then would be allowed to appear at the test.