

# BUREAU OF INDIAN STANDARDS

## Program of Work

### WRD 5 : Geological Investigation and Subsurface Exploration

**Scope:** Standardization of criteria for choice of methods, investigations and testing of subsurface strata and recommendations for collection and presentation of data.

**Liaison:**

#### Published Standards

| S.No | IS No.   | TITLE  | Reaffirm M-Y   | No. of Amds | Eqv.       |
|------|--|--|----------------|-------------|------------|
| 1    | IS 10060:2013<br><b>Reviewed In : 2024</b><br>Decision taken to Reaffirm and Archive | Geotechnical investigation for power house sites - Code of practice (First Revision)           | March, 2024    | -           | Indigenous |
| 2    | IS 10290:1982<br><b>Reviewed In : 2024</b><br>Decision taken to Reaffirm and Archive | Code of practice for photogeological interpretation and mapping of river valley project sites  | March, 2024    | -           | Indigenous |
| 3    | IS 11385:2008<br><b>Reviewed In : 2025</b><br>Decision taken to Reaffirm and Archive | Subsurface exploration for canals and cross drainage works - Code of practice (First Revision) | February, 2025 | -           | Indigenous |
| 4    | IS 13216:1991<br><b>Reviewed In : 2024</b>   | Code of practice for geological exploration for reservoir sites                                | March, 2024    | 2           | Indigenous |
| 5    | IS 13578:2008<br><b>Reviewed In : 2025</b><br>Decision taken to Reaffirm and Archive | Subsurface exploration for barrages and weirs - Code of practice (First Revision)              | February, 2025 | 1           | Indigenous |
| 6    | IS 14330:1996<br><b>Reviewed In : 2025</b><br>Decision taken to Reaffirm and Archive | Ground water investigation for hydraulic structures - Guidelines                               | February, 2025 | -           | Indigenous |
| 7    | IS 15662:2006<br><b>Reviewed In : 2025</b><br>Decision taken to Reaffirm and Archive | Geological exploration for gravity dams and overflow structures - Code of practice             | February, 2025 | 2           | Indigenous |
| 8    | IS 15681:2006<br><b>Reviewed In : 2025</b>   | Geological exploration by geophysical method (Seismic Refraction) - Code of practice           | February, 2025 | -           | Indigenous |
| 9    | IS 15686:2006<br><b>Reviewed In : 2025</b><br>Decision taken to                      | Recommendations for preparation of geological and geotechnical maps for river valley projects  | February, 2025 | -           | Indigenous |

|    |  |  |                |   |            |
|----|--|--|----------------|---|------------|
|    | Reaffirm and Archive   |  |                |   |            |
| 10 | IS 15736:2007<br><span style="color: green;">Reviewed In : 2024</span>   | Geological exploration by geophysical method (Electrical Resistivity) - Code of practice   | February, 2024 | 1 | Indigenous |
| 11 | IS 17883:2022  | Geological Exploration for Tunnels Guidelines  | -              | - | Indigenous |
| 12 | IS 4078:1980<br><span style="color: green;">Reviewed In : 2024</span><br>Decision taken to Reaffirm and Archive          | Code of practice for indexing and storage of drill cores (First Revision)  | February, 2024 | - | Indigenous |
| 13 | IS 4410 (Part 7):1982<br><span style="color: green;">Reviewed In : 2025</span>   | Glossary of terms relating to river valley projects: Part 7 engineering geology (First Revision)                                     | February, 2025 | - | Indigenous |
| 14 | IS 4453:2009<br><span style="color: green;">Reviewed In : 2025</span><br>Decision taken to Reaffirm and Archive          | Subsurface exploration by pits, trenches, drifts and shafts - Code of practice (Second Revision)                                     | February, 2025 | - | Indigenous |
| 15 | IS 4464:2024   | Presentation of Drilling Information and Core Description in Geotechnical Investigation â€“ Code of Practice (third revision)        |                | - | Indigenous |
| 16 | IS 5313:2020<br><span style="color: green;">Reviewed In : 2025</span>  | Guide for Core Drilling Observations ( Second Revision )   | January, 2025  | - | Indigenous |
| 17 | IS 5497:2008<br><span style="color: green;">Reviewed In : 2024</span><br>Decision taken to Reaffirm and Archive          | Guide to topographical surveys for river valley projects (Second Revision)   | February, 2024 | - | Indigenous |
| 18 | IS 5529 (Part 1):2013<br><span style="color: green;">Reviewed In : 2024</span><br>Decision taken to Reaffirm and Archive | In-situ permeability test Part 1 Test in overburden - Code of practice   | February, 2024 | - | Indigenous |
| 19 | IS 5529 (Part 2):2006<br><span style="color: green;">Reviewed In : 2025</span>   | In - Situ permeability test: Part 2 tests in bedrock (Second Revision)   | February, 2025 | 1 | Indigenous |
| 20 | IS 6926:1996<br><span style="color: green;">Reviewed In : 2025</span><br>Decision taken to Reaffirm and Archive          | Diamond core drilling - Site investigation for river valley projects - Code of practice (First revision)                             | February, 2025 | - | Indigenous |
| 21 | IS 6935:1973<br><span style="color: green;">Reviewed In : 2024</span><br>Decision taken to Reaffirm and Archive          | Method for determination of water level in a bore hole   | March, 2024    | - | Indigenous |
| 22 | IS 6955:2008<br><span style="color: green;">Reviewed In : 2025</span>  | Subsurface exploration for earth and rockfill dams - Code of practice (First Revision)   | February, 2025 | - | Indigenous |
| 23 | IS 7422 (Part 1):2025  | Symbols and Abbreviations for Use in Geological Maps, Sections and Subsurface Exploratory Logs Part 1 Abbreviations (first revision) |                | - | Indigenous |
| 24 | IS 7422 (Part  | SYMBOLS AND  |                | - | Indigenous |

|    |                       |   |  |   |            |
|----|-----------------------|---|--|---|------------|
|    | 2):2024               | ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 2 IGNEOUS ROCKS (First Revision)   |  |   |            |
| 25 | IS 7422 (Part 3):2024 | SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS, SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 3 Sedimentary Rocks (First Revision)  |  | - | Indigenous |
| 26 | IS 7422 (Part 4):2024 | SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 4 METAMORPHIC ROCKS (First Revision)   |  | - | Indigenous |
| 27 | IS 7422 (Part 5):2025 | SYMBOLS AND ABBREVIATIONS FOR USE IN GEOLOGICAL MAPS SECTIONS AND SUBSURFACE EXPLORATORY LOGS PART 5 LINE SYMBOLS FOR FORMATION CONTACTS AND STRUCTURAL FEATURES (First Revision) |  | - | Indigenous |

### Standards under Development

#### Projects Approved

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

#### Preliminary Draft Standards

| SI. No. | Doc No.   | Title  |
|---------|---|--|
| 1       | WRD 5 (28553) <b>Revision of: IS 15736:2007</b> | Geological Exploration by Electrical Resistivity Method Code of Practice |

#### Drafts Standards in WC Stage

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

#### Draft Standards Completed WC Stage

| SI. No. | Doc No.       | Title  |
|---------|---------------|--|
| 1       | WRD 5 (28555) | Geological Exploration by Seismic Refraction Method Code of Practice |

#### Finalized Draft Indian Standard

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

## Finalized Draft Indian Standards under Print

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

Total Published Standards:27 Total Standards Under development:2

### Aspect Wise Report

Product : 0  
Code of Practices : 19  
Methods of Test : 1  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 6  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

| SI. No. | IS No. & Year         | Title   |
|---------|-----------------------|---|
| 1       | IS 6065 (Part 1):2001 | Recommendations for the preparation of geological and geotechnical maps for river valley project<br>Part 1 Scales |

### Annexure-II :List of Indian Product Standards

| SI. No.                 | IS No. & Year | Title |
|-------------------------|---------------|-------|
| <i>No Records Found</i> |               |       |