

BUREAU OF INDIAN STANDARDS

Program of Work

FAD 7 : Soil Quality And Fertilizers

Scope: a) Soil Sampling, Testing and Analysis. b) Reclamation of acid and salt affected Soil c) Improvement of soil qualities and nutrient status, representative samples for fertilizer recommendations and mapping purposes. d) Soil amendments including compost. e) Fertilizers (including primary, secondary and micronutrients), plant hormones and related products f) Agriculturally useful microorganisms and bio-inoculant technologies. g) Handling storage and packaging of fertilizers j) Nano Fertilizers, Bio-Stimulant, Amino Acid, Humic Acid Liaison with following ISO committees and Sub-committees: i) ISO/TC 190 Soil Quality. ii) TC 190/SC 3 Chemical methods and soil characteristics iii) TC 190/SC 4 Biological methods iv) ISO/TC 134 Fertilizers and soil conditioners v) Central Fertilizer Committee (CFC)

Liaison: **ISO TC-134 (P): Fertilizers, soil conditioners and beneficial substances ISO TC-190 (P): Soil quality ISO TC-190 SC-3 (P): Chemical and physical characterization ISO TC-190 SC-4 (P): Biological characterization ISO TC-134 (P): Fertilizers, soil conditioners and beneficial substances ISO TC-190 (P): Soil quality ISO TC-190 SC-3 (P): Chemical and physical characterization ISO TC-190 SC-4 (P): Biological characterization**

Published Standards

| S.No | IS No. | TITLE | Reaffirm M-Y | No. of Amds | Eqv. |
|------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------|-------------|------------|
| 1 | IS 1013:2025 | Triple superphosphate, fertilizer grade - Specification (Second Revision) | | - | Indigenous |
| 2 | IS 1014:2023 | BONE MEAL STEAMED SPECIFICATION | | - | Indigenous |
| 3 | IS 10170:2025 | Byproduct gypsum agricultural grade - Specification (first revision) | | - | Indigenous |
| 4 | IS 1114:2024 | Ammonium Chloride, Fertilizer Grade " Specification (Second Revision) | | - | Indigenous |
| 5 | IS 12113:2023 | Ferrous Sulphate Heptahydrate, Agricultural Grade ½ Specification (First Revision) | | - | Indigenous |
| 6 | IS 12410:1988 Reviewed In : 2024 | Terminology related to soil reclamation | November, 2024 | 1 | Indigenous |
| 7 | IS 1304:2021 | Glossary of Terms Used in Fertilizer Trade and Industry | | - | Indigenous |
| 8 | IS 13921:2024 | Chelated zinc (Zn-EDTA), agricultural grade - Specification (first revision) | | - | Indigenous |
| 9 | IS 13922:2024 | Chelated Iron (Fe-EDTA), Agricultural Grade " Specification (First Revision) | | - | Indigenous |
| 10 | IS 14403:2024 | Agriculture grade iron pyrites as | | - | Indigenous |

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|----|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---|--------------------------------|
| | | soil amendment - Specification (first revision) | | | |
| 11 | IS 14634:1999 Reviewed In : 2024 | Code of practice for preparation and application of blue - Green algae as biofertilizer in soils | November, 2024 | - | Indigenous |
| 12 | IS 14684:1999 Reviewed In : 2024 | Determination of nitrogen and nitrogenous compounds in soils | November, 2024 | - | Indigenous |
| 13 | IS 14685:1999 Reviewed In : 2024 | Determination of total sulphur and sulphur compounds in soils | November, 2024 | - | Indigenous |
| 14 | IS 14765:2000 Reviewed In : 2021 | Determination of water retention capacity in soils - Method of test | March, 2021 | - | Indigenous |
| 15 | IS 14766:2000 Reviewed In : 2021 | Aggregate size distribution and water stability of soil aggregates - Method for determination | March, 2021 | 1 | Indigenous |
| 16 | IS 14767:2000 Reviewed In : 2021 | Determination of the specific electrical conductivity of soils - Method of test | March, 2021 | - | Indigenous |
| 17 | IS 14806:2021 | Azospirillum Inoculants - Specification (First Revision) | | 1 | Indigenous |
| 18 | IS 14807:2021 | Phosphate Solubilizing Bacterial Inoculant (PSBI) - Specification (First Revision) | | - | Indigenous |
| 19 | IS 15106:2002 ISO 11465 Reviewed In : 2023 ISO 11465 | Determination of dry matter and water content on a mass basis - Gravimetric method | December, 2023 | - | Identical under dual numbering |
| 20 | IS 15107:2002 ISO 11276 Reviewed In : 2023 ISO 11276 | Determination of pore water pressure - Tensiometer method | December, 2023 | - | Identical under dual numbering |
| 21 | IS 15108:2021 11464 : 2006 | Pretreatment of Samples for Physico-Chemical Analyses | | - | Identical under dual numbering |
| 22 | IS 15109 (Part 1):2021 ISO 11269-1:2012 ISO 11269-1:2012 | DETERMINATION OF THE EFFECTS OF POLLUTANTS ON SOIL FLORA - PART 1: METHOD FOR THE MEASUREMENT OF INHIBITION OF ROOT GROWTH First Revision | | - | Identical under dual numbering |
| 23 | IS 15109 (Part 2):2013 ISO 11269-2:2012 Reviewed In : 2024 | Soil quality - Determination of the effects of pollutants on soil flora: Part 2 effects of contaminated soil on the emergence and early growth of higher plants (First Revision) | November, 2024 | - | Indigenous |
| 24 | IS 15343:2022 | Pressmud for Reclamation of Sodic Soil- Specification | | - | Indigenous |
| 25 | IS 15848:2025 | ZINC SULPHATE, MONOHYDRATE, AGRICULTURAL GRADE - SPECIFICATION (First Revision) | | - | Indigenous |
| 26 | IS 15849:2009 Reviewed In : 2024 | Phosphate solubilizing fungal inoculants - Aspergillus awamori specification | November, 2024 | 1 | Indigenous |
| 27 | IS 16556:2016 Reviewed In : 2021 | Municipal solid waste compost, manure grade - Specification | March, 2021 | - | Indigenous |
| 28 | IS 16702:2018 Reviewed In : 2023 | Vermicompost - Specification | July, 2023 | - | Indigenous |
| 29 | IS 17134:2020 | Biofertilizer - Liquid Based | March, 2025 | - | Indigenous |

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|----|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---|--------------------------------|
| | Reviewed In : 2025 | Rhizobium Inoculants - Specification | | | |
| 30 | IS 17135:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Azotobacter spp. Inoculants - Specification | February, 2024 | - | Indigenous |
| 31 | IS 17136:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Azospirillum Inoculants - Specification | February, 2024 | - | Indigenous |
| 32 | IS 17137:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Phosphate Solubilizing Bacterial Inoculants (PSBI) - Specification | February, 2024 | - | Indigenous |
| 33 | IS 17672:2021 | POTASH MOBILIZING BACTERIAL INOCULANT (KMBI) - SPECIFICATION | | 1 | Indigenous |
| 34 | IS 17755:2022 | CONSORTIA OF MICROBIAL INOCULANTS (MIXED BIOFERTILIZER INOCULANTS) â€“ SPECIFICATION | | - | Indigenous |
| 35 | IS 18121:2023 | BIOFERTILIZER LIQUID BASED PHOSPHATE SOLUBILIZING FUNGAL INOCULANTS ASPERGILLUS AWAMORI SPECIFICATION | | - | Indigenous |
| 36 | IS 18146:2023 | Phosphate Rich Organic Manure Specification | | - | Indigenous |
| 37 | IS 18238:2023 ISO 11047 : 1998 ISO 11047 : 1998 | Soil quality Determination of cadmium chromium cobalt copper lead manganese nickel and zinc in aqua regia extracts of soil Flame and electrothermal atomic absorption spectrometric methods | | - | Identical under dual numbering |
| 38 | IS 18239:2023 ISO 16772 : 2004 ISO 16772 : 2004 | Soil quality Determination of mercury in aqua regia soil extracts with cold-vapour atomic spectrometry or cold-vapour atomic fluorescence spectrometry | | - | Identical under dual numbering |
| 39 | IS 18241:2023 ISO 20280:2007 ISO 20280:2007 | Soil quality Determination of arsenic antimony and selenium in aqua regia soil extracts with electrothermal or hydride-generation atomic absorption spectrometry | | - | Identical under dual numbering |
| 40 | IS 18242:2023 ISO 22036 ISO 22036 | Soil quality Determination of trace elements in extracts of soil by inductively coupled plasma-atomic emission spectrometry ICP-AES | | - | Identical under dual numbering |
| 41 | IS 18363:2023 | Zinc solubilizing bacterial inoculant (ZnSBI) - SPECIFICATION | | 1 | Indigenous |
| 42 | IS 2409:2019 Reviewed In : 2024 | Calcium ammonium nitrate - Specification (Third Revision) | February, 2024 | - | Indigenous |
| 43 | IS 2764:2018 Reviewed In : 2023 | Potassium sulphate, fertilizer grade - Specification (Second Revision) | December, 2023 | - | Indigenous |
| 44 | IS 2779:2018 Reviewed In : 2023 | Potassium chloride (Muriate Of Potash), fertilizer grade - Specification (Second Revision) | November, 2023 | - | Indigenous |

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| 45 | IS 294:2018 Reviewed In : 2023 | Single superphosphate - Specification (Third Revision) | July, 2023 | - | Indigenous |
| 46 | IS 3029:2024 | Castorseed cake for fertilizer purposes - Specification (First Revision) | | - | Indigenous |
| 47 | IS 4830:2018 Reviewed In : 2023 | Ammonium phosphate sulphate, granular - Specification (Second Revision) | December, 2023 | - | Indigenous |
| 48 | IS 5406:2024 | Urea, Fertilizer Grade " Specification (Second Revision) | | - | Indigenous |
| 49 | IS 5409 (Part 1):2025 | Agricultural liming materials as soil amendments - Specification: Part 1 Hydrated lime and burnt lime (second revision) | | - | Indigenous |
| 50 | IS 5409 (Part 2):2025 | Agricultural liming materials as soil amendments - Specification: Part 2 Limestone and dolomite (second revision) | | - | Indigenous |
| 51 | IS 5985:1985 Reviewed In : 2021 | Code of practice for handling and storage of bagged fertilizers (First Revision) | March, 2021 | - | Indigenous |
| 52 | IS 6046:2023 | Gypsum for agricultural use - Specification (second revision) | | - | Indigenous |
| 53 | IS 6092 (Part 1):1985 Reviewed In : 2024 | Methods of sampling and test for fertilizers: Part 1 sampling (First Revision) | November, 2024 | 2 | Indigenous |
| 54 | IS 6092 (Part 2):1985 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen (First Revision) | March, 2021 | - | Indigenous |
| 55 | IS 6092 (Part 2/Sec 1):2004 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 1 introduction (Second Revision) | March, 2021 | - | Indigenous |
| 56 | IS 6092 (Part 2/Sec 2):2004 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 2 test methods not covered under dual number standards (Second Revision) | March, 2021 | - | Indigenous |
| 57 | IS 6092 (Part 2/Sec 3):2004 ISO 4176 Reviewed In : 2021 ISO 4176 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 3 nitrate nitrogen content - Nitron gravimetric method | March, 2021 | - | Identical under dual numbering |
| 58 | IS 6092 (Part 2/Sec 4):2004 ISO 5314 Reviewed In : 2024 ISO 5314 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 4 ammoniacal nitrogen content - Titrimetric method after distillation | November, 2024 | - | Identical under dual numbering |
| 59 | IS 6092 (Part 2/Sec 5):2004 ISO 5315 Reviewed In : 2023 ISO 5315 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 5 total nitrogen content - Titrimetric method after distillation | December, 2023 | - | Identical under dual numbering |
| 60 | IS 6092 (Part 2/Sec 6):2004 ISO 7408 Reviewed In : 2024 ISO 7408 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 6 ammoniacal nitrogen content in the presence of other substances which release | November, 2024 | - | Identical under dual numbering |

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|----|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---|--------------------------------|
| | | ammonia when treated with sodium hydroxide - Titrimetric method | | | |
| 61 | IS 6092 (Part 2/Sec 7):2004 ISO 8603 Reviewed In : 2021 ISO 8603 | Methods of sampling and test for fertilizers: Part 2 determination of nitrogen: Sec 7 solid fertilizers - Determination of urea nitrogen content - Gravimetric method using xanthidrol | March, 2021 | - | Identical under dual numbering |
| 62 | IS 6092 (Part 3):1985 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus (First Revision) | March, 2021 | 1 | Indigenous |
| 63 | IS 6092 (Part 3/Sec 1):2004 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus: Sec 1 introduction (Second Revision) | March, 2021 | - | Indigenous |
| 64 | IS 6092 (Part 3/Sec 2):2004 Reviewed In : 2021 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus: Sec 2 test methods not covered under dual number standards (Second Revision) | March, 2021 | - | Indigenous |
| 65 | IS 6092 (Part 3/Sec 3):2004 ISO 5316 Reviewed In : 2024 ISO 5316 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus: Sec 3 extraction of water - Soluble phosphates | November, 2024 | - | Identical under dual numbering |
| 66 | IS 6092 (Part 3/Sec 4):2004 ISO 6598 Reviewed In : 2021 ISO 6598 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus: Sec 4 quinoline phosphomolybdate gravimetric method | March, 2021 | - | Identical under dual numbering |
| 67 | IS 6092 (Part 3/Sec 5):2004 ISO 7497 Reviewed In : 2021 ISO 7497 | Methods of sampling and test for fertilizers: Part 3 determination of phosphorus: Sec 5 extraction of phosphates soluble in mineral acids | March, 2021 | - | Identical under dual numbering |
| 68 | IS 6092 (Part 4):1985 Reviewed In : 2023 | Methods of sampling and test for fertilizers: Part 4 determination of potassium (First Revision) | December, 2023 | - | Indigenous |
| 69 | IS 6092 (Part 5):1985 Reviewed In : 2023 | Methods of sampling and test for fertilizers: Part 5 determination of secondary elements and micronutrients (First Revision) | December, 2023 | 1 | Indigenous |
| 70 | IS 6092 (Part 6):1985 Reviewed In : 2023 | Methods of sampling and test for fertilizers: Part 6 determination of moisture and impurities (First Revision) | December, 2023 | - | Indigenous |
| 71 | IS 6448:2018 Reviewed In : 2023 | Diammonium phosphate - Specification (Third Revision) | July, 2023 | - | Indigenous |
| 72 | IS 6661:2022 | Potassium Schoenite | | - | Indigenous |
| 73 | IS 7131:2022 | Nitrophosphate Based Granulated Fertilizers | | - | Indigenous |
| 74 | IS 7863:2025 | Fertilizer physical mixtures - Specification (First Revision) | | - | Indigenous |
| 75 | IS 8249:2019 Reviewed In : 2024 | Zinc sulphate heptahydrate, agricultural grade - Specification (First Revision) | February, 2024 | - | Indigenous |

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| 76 | IS 826:2018 Reviewed In : 2023 | Ammonium sulphate, fertilizer grade - Specification (Third Revision) | July, 2023 | - | Indigenous |
| 77 | IS 8268:2020 Reviewed In : 2025 | Rhizobium Inoculants - Specification (Third Revision) | March, 2025 | 1 | Indigenous |
| 78 | IS 8359:2018 Reviewed In : 2023 | Urea ammonium phosphate based fertilizers - Specification (Second Revision) | December, 2023 | - | Indigenous |
| 79 | IS 853:2023 | BONE MEAL RAW SPECIFICATION | | - | Indigenous |
| 80 | IS 8558:2025 | NEEM cake for manuring - Specification (first revision) | | - | Indigenous |
| 81 | IS 9024:2025 | Granulated fertilizer mixtures - Specification (First Revision) | | - | Indigenous |
| 82 | IS 9138:2020 Reviewed In : 2024 | Azotobacter Spp. Inoculants - Specification (Third Revision) | November, 2024 | 1 | Indigenous |
| 83 | IS 9138:2009 | Azotobacter Chroococcum Inoculants | | 1 | |

Standards under Development

Projects Approved

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

Preliminary Draft Standards

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

Drafts Standards in WC Stage

| SI. No. | Doc No. | Title |
|---------|---------------|-------------------------------------------------------------------|
| 1 | FAD 7 (26533) | Flue gas desulphurized gypsum for agriculture use - Specification |

Draft Standards Completed WC Stage

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

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 |
|---------|---------------------------------------------------------|-----------------------------------------------|
| 1 | FAD 7 (02827) Revision of: IS 8249:2019 | Zinc sulphate heptahydrate agricultural grade |
| 2 | FAD 7 (02807) Revision of: IS 7131:1973 | Nitrophosphate Based Granulated Fertilizers |
| 3 | FAD 7 (02806) Revision of: | Potassium Schoenite |

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| | IS 6661:1972 | |
| 4 | FAD 7 (02805) Revision of: IS 6448:2018 | Diammonium Phosphate |
| 5 | FAD 7 (02803) Revision of: IS 4830:2018 | Ammonium Phosphate Sulphate Granular |
| 6 | FAD 7 (02802) Revision of: IS 2779:2018 | Potassium Chloride Muriate of Potash Fertilizer Grade |
| 7 | FAD 7 (02801) Revision of: IS 2764:2018 | Potassium Sulphate Fertilizer Grade |
| 8 | FAD 7 (02795) Revision of: IS 2409:2019 | Calcium Ammonium Nitrate |
| 9 | FAD 7 (02787) Revision of: IS 826:2018 | Ammonium Sulphate Fertilizer Grade |
| 10 | FAD 7 (02561) | Draft Indian Standard CONSORTIA OF MICROBIAL INOCULANTS MIXED BIOFERTILIZER INOCULANTS SPECIFICATION |
| 11 | FAD 7 (02560) | Draft Indian Standard POTASH MOBILIZING BACTERIAL INOCULANT KMBI SPECIFICATION |
| 12 | FAD 7 (02544) | Draft Indian Standard BIOFERTILIZER LIQUID BASED PHOSPHATE SOLUBILIZING BACTERIAL INOCULANTS PSBI SPECIFICATION |
| 13 | FAD 7 (02543) | Draft Indian Standard BIOFERTILIZER LIQUID BASED AZOSPIRILLUM INOCULANTS SPECIFICATION |
| 14 | FAD 7 (02542) | Draft Indian Standard BIOFERTILIZER LIQUID BASED AZOTOBACTER CHROOCOCCUM INOCULANTS SPECIFICATION |
| 15 | FAD 7 (02541) | Draft Indian Standard BIOFERTILIZER LIQUID BASED RHIZOBIUM INOCULANTS SPECIFICATION |
| 16 | FAD 7 (02538) Revision of: IS 1304:1980 | Glossary of Terms Used in Fertilizer Trade and Industry |
| 17 | FAD 7 (02507) Revision of: IS 15109:2002 | Determination of the Effects of Pollutants on Soil Flora - Part 1 Method for the Measurement of Inhibition of Root Growth |
| 18 | FAD 7 (02501) Revision of: IS 15109:2013 | Soil Quality - Determination of the Effects of Pollutants on Soil Flora Part 2 Effects of Contaminated Soil on the Emergence and Early Growth of Higher Plants |
| 19 | FAD 7 (02500) Revision of: IS 15108:2002 | Pretreatment of Samples for Physico-Chemical Analyses |
| 20 | FAD 7 (02491) Revision of: IS 3029:1964 | Castorseed Cake for Fertilizer Purposes |
| 21 | FAD 7 (02832) Revision of: IS 8359:2018 | Urea Ammonium Phosphate Based Fertilizers |
| 22 | FAD 7 (02497) | Ammonium Chloride Fertilizer Grade Amendment - 3 |
| 23 | FAD 7 (02496) | Bone-Meal Steamed Amendment - 2 |
| 24 | FAD 7 (02506) | Terminology related to soil reclamation Amendment - 1 |
| 25 | FAD 7 (02785) Revision of: IS 294:2018 | super phosphate |
| 26 | FAD 7 (02493) | Draft Indian Standard - Vermi Compost Specification |
| 27 | FAD 7 (10087) | MUNICIPAL SOLID WASTE COMPOST MANURE GRADE - SPECIFICATION |
| 28 | FAD 7 (11906) | Azospirillum Inoculants Amendment - 3 |
| 29 | FAD 7 (11908) | Rhizobium Inoculants Amendment - 2 |
| 30 | FAD 7 (12538) | Phosphate Solubilising Bacterial Inoculant PSBI Amendment - 3 |
| 31 | FAD 7 (12598) Revision of: IS 9138:2020 | Azotobacter Spp Inoculants- Specification |
| 32 | FAD 7 (12601) Revision of: IS 8268:2020 | Rhizobium Inoculents |
| 33 | FAD 7 (12604) Revision of: IS 14806:2000 | Azospirillum Inoculent |
| 34 | FAD 7 (12606) Revision of: IS 14807:2000 | PSBI |
| 35 | FAD 7 (13584) Revision of: IS 15343:2003 | Pressmud for Reclamation of Sodic Soil- Specification |
| 36 | FAD 7 (16437) Revision of: IS 6046:1982 | Indian Standard Gypsum for Agricultural Use-Specification Second revision |

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|----|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37 | FAD 7 (16488) | Phosphate Rich Organic Manure Specification |
| 38 | FAD 7 (16489) Revision of: IS 1304:1980 | FERTILIZER TRADE AND INDUSTRY- GLOSSARY OF TERMS Third Revision |
| 39 | FAD 7 (16490) | BIOFERTILIZER LIQUID BASED PHOSPHATE SOLUBILIZING FUNGAL INOCULANTS ASPERGILLUS AWAMORI SPECIFICATION |
| 40 | FAD 7 (16505) | Zinc solubilizing bacterial inoculant ZnSBI - SPECIFICATION |
| 41 | FAD 7 (16544) Revision of: IS 15109:2002 | DETERMINATION OF THE EFFECTS OF POLLUTANTS ON SOIL FLORA - PART 1 METHOD FOR THE MEASUREMENT OF INHIBITION OF ROOT GROWTH First Revision |
| 42 | FAD 7 (17408) Revision of: IS 12113:1987 | Ferrous Sulphate Heptahydrate Agricultural Grade Specification First Revision |
| 43 | FAD 7 (19291) Revision of: IS 853:1964 | BONE MEAL RAW SPECIFICATION |
| 44 | FAD 7 (19293) Revision of: IS 1014:1956 | BONE MEAL STEAMED SPECIFICATION |
| 45 | FAD 7 (19441) | Soil quality Determination of cadmium chromium cobalt copper lead manganese nickel and zinc in aqua regia extracts of soil Flame and electrothermal atomic absorption spectrometric methods |
| 46 | FAD 7 (19443) | Soil quality Determination of mercury in aqua regia soil extracts with cold-vapour atomic spectrometry or cold-vapour atomic fluorescence spectrometry |
| 47 | FAD 7 (19446) | Soil quality Determination of arsenic antimony and selenium in aqua regia soil extracts with electrothermal or hydride-generation atomic absorption spectrometry |
| 48 | FAD 7 (19447) | Soil quality Determination of trace elements in extracts of soil by inductively coupled plasma-atomic emission spectrometry ICP-AES |
| 49 | FAD 7 (19985) Revision of: IS 5406:1979 | Urea fertilizer grade - Specification second revision |
| 50 | FAD 7 (24970) Revision of: IS 7863:1975 | Fertilizer physical mixtures - Specification First Revision |
| 51 | FAD 7 (24971) Revision of: IS 9024:1978 | Granulated fertilizer mixtures - Specification First Revision |
| 52 | FAD 7 (25165) Revision of: IS 14403:1996 | Agriculture grade iron pyrites as soil amendment - Specification first revision |
| 53 | FAD 7 (25166) Revision of: IS 5409:1985 | Agricultural liming materials as soil amendments - Specification Part 1 Hydrated lime and burnt lime second revision |
| 54 | FAD 7 (25167) Revision of: IS 5409:1985 | Agricultural liming materials as soil amendments - Specification Part 2 Limestone and dolomite second revision |
| 55 | FAD 7 (25180) Revision of: IS 1013:1972 | Triple superphosphate fertilizer grade - Specification Second Revision |
| 56 | FAD 7 (25182) Revision of: IS 1114:1964 | Ammonium chloride fertilizer grade - Specification second revision |
| 57 | FAD 7 (25184) Revision of: IS 12410:1988 | Soil Reclamation - Terminology first revision |
| 58 | FAD 7 (25185) Revision of: IS 13921:1994 | Chelated zinc Zn-EDTA agricultural grade - Specification first revision |
| 59 | FAD 7 (25188) Revision of: IS 13922:1994 | Chelated iron Fe-EDTA agricultural grade - Specification first revision |
| 60 | FAD 7 (25295) Revision of: IS 8558:1977 | NEEM cake for manuring - Specification first revision |
| 61 | FAD 7 (25329) Revision of: IS 3029:1964 | Castorseed cake for fertilizer purposes - Specification First Revision |
| 62 | FAD 7 (25723) Revision of: IS 10170:1982 | Byproduct gypsum agricultural grade - Specification first revision |
| 63 | FAD 7 (26645) Revision of: IS 15848:2009 | ZINC SULPHATE MONOHYDRATE AGRICULTURAL GRADE SPECIFICATION First Revision |
| 64 | FAD 7 (26824) | Azospirillum Inoculent Amendment - 1 |
| 65 | FAD 7 (26825) | Azotobacter Spp Inoculants - Specification Third Revision Amendment - 1 |
| 66 | FAD 7 (26826) | POTASH MOBILIZING BACTERIAL INOCULANT KMBI - SPECIFICATION Amendment - 1 |
| 67 | FAD 7 (26827) | Rhizobium Inoculants - Specification Third Revision Amendment - 1 |
| 68 | FAD 7 (26828) | Zinc solubilizing bacterial inoculant ZnSBI - SPECIFICATION Amendment - 1 |
| 69 | FAD 7 (27271) Revision of: | Total sulphur and sulphur compounds in soils - Test methods first revision |

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| | IS 14685:1999 | |
| 70 | FAD 7 (27329) Revision of: IS 6092:1985 | METHOD OF SAMPLING AND TEST FOR FERTILIZERS PART 6 DETERMINATION OF MOISTURE AND IMPURITIES Second Revision |
| 71 | FAD 7 (27368) Revision of: IS 6092:1985 | METHODS OF SAMPLING AND TEST FOR FERTILIZERS PART 2 DETERMINATION OF NITROGEN Second Revision |
| 72 | FAD 7 (27370) Revision of: IS 14684:1999 | DETERMINATION OF NITROGEN AND NITROGENOUS COMPOUNDS IN SOILS First Revision |

Total Published Standards:72 Total Standards Under development:73

Aspect Wise Report

Product : 37
Code of Practices : 2
Methods of Test : 32
Terminology : 2
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

| Sl. No. | IS No. & Year | Title |
|---------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1 | IS 10168:1982 Reviewed In : 1988 | Methods for determination of Fenitrothion residues in foods |
| 2 | IS 10205:1982 Reviewed In : 1991 | Cotton Stalk Puller |
| 3 | IS 10341:1982 | Recommended sizes and capacities for oil expellers single chambers |
| 4 | IS 10802:1984 Reviewed In : 1990 | Method for determination of radius of throw of agricultural sprinklers |
| 5 | IS 11314:1985 Reviewed In : 1990 | Furrow opener for single row jute seed drill |
| 6 | IS 12072:1987 Reviewed In : 2008 | Code of Practice for Keeping Farm Account Records |
| 7 | IS 12129:1987 Reviewed In : 1992 | Cabinet Germinator |
| 8 | IS 12130:1987 Reviewed In : 1992 | Code for Construction of Walk-in-type Seed Germinator |
| 9 | IS 12528:1988 | Chain Washer Pump |
| 10 | IS 13059:1991 ISO 2293 | Meat and meat products - enumeration of micro-organisms colony count technique at 30 C reference method |
| 11 | IS 13060:1991 ISO 3811 | Meat and meat products - detection and enumeration of presumptive coliform bacteria and presumptive Escherichia coli reference method |
| 12 | IS 13061:1991 | Meat and meat products - detection of salmonellae reference method |
| 13 | IS 13245:1991 | Pesticide - Determination of Residue in Agricultural Commodities Foods Soil and Water - Adrin including Dieldrin |
| 14 | IS 13375:1992 | Forestry Tools - Hoeing and Weeding for Nursery Work punja |
| 15 | IS 13478:1992 | Farm Transport Equipment - Glass Fibre Reinforced Unsaturated Polyester grp Resin Animal Drawn Vehicles Body |

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| 16 | IS 13486 (Part 1):1992 | Forestry Tools - Planting Hoe Part 1 Single Blade |
| 17 | IS 13817:1993 | Soil working equipment - dry land weeders manually operated |
| 18 | IS 1497:1959 | Layout for regulated market yards for agricultural commodities |
| 19 | IS 1787:1961 | Layout for regulated market yards for fruits and vegetables |
| 20 | IS 1788:1961 | Layout for regulated market yards for cattle |
| 21 | IS 2059:1962 | Layout for regulated market yards for tobacco being dealt by National Seeds Corporation |
| 22 | IS 2226:1962 | Mouldboard Plough Fixed Type |
| 23 | IS 2238:1979 Reviewed In : 1988 | Spades And Seprangs |
| 24 | IS 2256:1972 Reviewed In : 2006 | Ammonium sulphate nitrate |
| 25 | IS 2409:1985 Reviewed In : 2010 ISO 16911-2 : 2013 | Calcium Ammonium Nitrate |
| 26 | IS 2564:1979 Reviewed In : 1990 | Animal drawn blade Harrow GUNTAKA type |
| 27 | IS 2729:1964 | Methods of sampling and test for seeds being dealt by National Seeds Corporation |
| 28 | IS 2735:1964 | Seeds of tomato being dealt by National Seeds Corporation |
| 29 | IS 2736:1964 | Seeds of garden beet being dealt by National Seeds Corporation |
| 30 | IS 2737:1964 | Seeds of BHINDI lady s finger being dealt by National Seeds Corporation |
| 31 | IS 2738:1964 | Seeds of bean being dealt by National Seeds Corporation |
| 32 | IS 2739:1964 | Seeds of pea being dealt by National Seeds Corporation |
| 33 | IS 2764:1980 Reviewed In : 2010 Identical | Potassium Sulphate Fertilizer Grade |
| 34 | IS 2779:1980 Reviewed In : 2010 Identical | Potassium Chloride Muriate of Potash Fertilizer Grade |
| 35 | IS 2936:1964 | Seeds of Carrot being dealt by National Seeds Corporation |
| 36 | IS 2937:1964 | Seeds of cabbage being dealt by National Seeds Corporation |
| 37 | IS 294:1979 Reviewed In : 2010 IS/ISO 18758-2: 2018 | super phosphate |
| 38 | IS 2999:1965 | Seeds of cauliflower being dealt by National Seeds Corporation |
| 39 | IS 3000:1965 | Seeds of turnip being dealt by National Seeds Corporation |
| 40 | IS 3001:1965 | Seeds of brinjal being dealt by National Seeds Corporation |
| 41 | IS 3002:1965 | Seeds of raddish being dealt by National Seeds Corporation |
| 42 | IS 3125:1965 | Seeds of capsicum being dealt by National Seeds Corporation |
| 43 | IS 3126:1965 | Seeds of cucumber being dealt by National Seeds Corporation |

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| 44 | IS 3127:1965 | Seeds of onion being dealt by National Seeds Corporation |
| 45 | IS 3128:1965 | Seeds of lettuce being dealt by National Seeds Corporation |
| 46 | IS 3153:1979 Reviewed In : 1991 | Threshers olpad type |
| 47 | IS 3185:1965 Reviewed In : 1990 | v Blade Hand Hoe |
| 48 | IS 3292:1965 Reviewed In : 1990 | Three Tined Hand Hoe Fixed Type |
| 49 | IS 3293:1965 Reviewed In : 1990 | Levelling karaha keni Animal Drawn |
| 50 | IS 3301:1965 Reviewed In : 1990 | Green Manure Trampler Animal Drawn |
| 51 | IS 3310:1965 | Single Row Cotton Seed Drill Animal Drawn |
| 52 | IS 3350:1965 | Three-tined Cultivator With Seeding Attachment Animal Drawn |
| 53 | IS 3360:1965 Reviewed In : 1990 | Soil Scoop |
| 54 | IS 3363:1965 Reviewed In : 1990 | Harrow PATELA |
| 55 | IS 3376:1965 | Groundnut seeds being dealt by National Seeds Corporation |
| 56 | IS 3377:1965 | Sesamum seeds being dealt by National Seeds Corporation |
| 57 | IS 3378:1965 | Castor seeds being dealt by National Seeds Corporation |
| 58 | IS 3379:1965 | Safflower seeds being dealt by National Seeds Corporation |
| 59 | IS 3380:1965 | Tobacco seeds being dealt by National Seeds Corporation |
| 60 | IS 3467:1966 Reviewed In : 1990 | Wheel Hand Hoe |
| 61 | IS 3647:1966 | Seed potatoes being dealt by National Seeds Corporation |
| 62 | IS 3699 (Part 1):1978 Reviewed In : 1995 | Code for transport of monkeys by land Part 1 Transport from trapping area to the nearest rail-head |
| 63 | IS 3699 (Part 2):1978 Reviewed In : 1995 | Code for transport of monkeys by land Part 2 Transport from rail-head to the nearest airport |
| 64 | IS 3866:1966 | Sugarcane seed materials being dealt by National Seed Corporation |
| 65 | IS 3907 (Part 1):1977 Reviewed In : 1995 | Code for transport of laboratory animals Part 1 Transport of mice rats rabbits guinea pigs cotton rats and hamsters |
| 66 | IS 3907 (Part 2):1967 Reviewed In : 1995 | Code for transport of laboratory animals Part 2 Transport of snakes |
| 67 | IS 3907 (Part 3):1967 Reviewed In : 1995 | Code for transport of laboratory animals Part 3 Transport of frogs |
| 68 | IS 4157 (Part 1):1981 Reviewed In : 1995 | Code for transportation of livestock Part 1 Transportation of equines horses ponies mules and donkeys by rail road air and sea |
| 69 | IS 4157 (Part 3):1983 Reviewed In : 1995 | Code for transport of livestock Part 3 Transport of sheep and goat by rail and road |
| 70 | IS 4195:1967 | Wheat seed for propagation purposes being dealt with by National Seeds Corporation |
| 71 | IS 4196:1967 | Maize seed for propagation purposes being dealt with by National Seeds Corporation |
| 72 | IS 4197:1967 | Rice seed for propagation purposes being dealt with by National Seeds Corporation |

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| 73 | IS 4830:1979 Reviewed In : 2010 ISO 105-D02 : 2016 | Ammonium Phosphate Sulphate Granular |
| 74 | IS 4934:1968 | Jute seeds for propagation purposes being dealt by National Seeds Corporation |
| 75 | IS 5407:1969 | Ammonium phosphate sulphate granular |
| 76 | IS 5408:1969 | Fused calcium magnesium phosphate |
| 77 | IS 5733:1970 | Code for production of grafts of apples being dealt by National Seeds Corporation |
| 78 | IS 6023:1970 | Reversible Shovel |
| 79 | IS 621:1978 Reviewed In : 1988 | Forks for plantations and estates |
| 80 | IS 6327:1971 | One way animal drawn mouldboard plough shares |
| 81 | IS 6448:1993 Reviewed In : 2010 IEC TR 61243-6 : 2017 | Diammonium Phosphate |
| 82 | IS 6451:1972 | Sweep |
| 83 | IS 6459:1972 Reviewed In : 1990 | Two-way Animal Drawn Mould Board Plough |
| 84 | IS 6543:1972 Reviewed In : 2002 | Glass Artificial Insemination Pipettes for Cattle |
| 85 | IS 6705:1972 Reviewed In : 1992 | Sand used in germination tests |
| 86 | IS 7015:1972 | Glossary of terms relating to farm implements and machinery |
| 87 | IS 7256:1974 | Plain spool for animal drawn disc harrows |
| 88 | IS 7361:1974 | Tines for animal-drawn cultivators |
| 89 | IS 7789:1975 Reviewed In : 1991 | Sugarcane Stripper |
| 90 | IS 7926:1975 Reviewed In : 1988 | Classification for testing of agricultural machinery |
| 91 | IS 8249:1994 Reviewed In : 2010 ISO 5025:2017 | Zinc sulphate heptahydrate agricultural grade |
| 92 | IS 8256:1976 | Code for production of nersery stock for citrus fruits being dealt by National Seeds Corporation |
| 93 | IS 826:1980 Reviewed In : 2010 61076-113 : 2002 | Ammonium Sulphate Fertilizer Grade |
| 94 | IS 8359:1993 Reviewed In : 2010 ISO 8516:2011 | Urea Ammonium Phosphate Based Fertilizers |
| 95 | IS 8559:1977 Reviewed In : 2010 | Mahua Cake for Manuring |
| 96 | IS 8663:1977 | Guidelines for production of nursery stock for bamboo |
| 97 | IS 8675:1977 | Nursery stock-budded roses being dealt with by National Seeds Corporation |
| 98 | IS 8781:1978 Reviewed In : 1990 | Single row jute seed drills manually operated |
| 99 | IS 9218:1979 | Triangular shovels for animal drawn cultivators |

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| 100 | IS 9219:1993 | Sowing equipment - seeding attachment for animal drawn cultivators |
| 101 | IS 9747:1981 | Anhydrous ammonia as fertilizer material |

Annexure-II :List of Indian Product Standards

| SI. No. | IS No. & Year | Title |
|---------|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1 | IS 1013:2025 | Triple superphosphate fertilizer grade - Specification Second Revision |
| 2 | IS 1014:2023 ISO 19252 : 2008 | BONE MEAL STEAMED SPECIFICATION |
| 3 | IS 10170:2025 | Byproduct gypsum agricultural grade - Specification first revision |
| 4 | IS 1114:2024 | Ammonium Chloride Fertilizer Grade Specification Second Revision |
| 5 | IS 12113:2023 ISO 18447 : 2021 | Ferrous Sulphate Heptahydrate Agricultural Grade Specification First Revision |
| 6 | IS 13921:2024 | Chelated zinc Zn-EDTA agricultural grade - Specification first revision |
| 7 | IS 13922:2024 | Chelated Iron Fe-EDTA Agricultural Grade Specification First Revision |
| 8 | IS 14403:2024 | Agriculture grade iron pyrites as soil amendment - Specification first revision |
| 9 | IS 14806:2021 ISO 20140-1 : 2019 | Azospirillum Inoculants - Specification First Revision |
| 10 | IS 14807:2021 ISO 8536-4:2019 | Phosphate Solubilizing Bacterial Inoculant PSBI - Specification First Revision |
| 11 | IS 15343:2022 ISO 21620:2021 | Pressmud for Reclamation of Sodic Soil- Specification |
| 12 | IS 15848:2025 | ZINC SULPHATE MONOHYDRATE AGRICULTURAL GRADE - SPECIFICATION First Revision |
| 13 | IS 15849:2009 Reviewed In : 2024 | Phosphate solubilizing fungal inoculants - Aspergillus awamori specification |
| 14 | IS 16556:2016 Reviewed In : 2021 | Municipal solid waste compost manure grade - Specification |
| 15 | IS 16702:2018 Reviewed In : 2023 | Vermicompost - Specification |
| 16 | IS 17134:2020 Reviewed In : 2025 | Biofertilizer - Liquid Based Rhizobium Inoculants - Specification |
| 17 | IS 17135:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Azotobacter spp Inoculants - Specification |
| 18 | IS 17136:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Azospirillum Inoculants - Specification |
| 19 | IS 17137:2019 Reviewed In : 2024 | Biofertilizer - Liquid Based Phosphate Solubilizing Bacterial Inoculants PSBI - Specification |
| 20 | IS 17672:2021 | POTASH MOBILIZING BACTERIAL INOCULANT KMBI - SPECIFICATION |
| 21 | IS 17755:2022 ISO 21351: 2005 | CONSORTIA OF MICROBIAL INOCULANTS MIXED BIOFERTILIZER INOCULANTS SPECIFICATION |
| 22 | IS 18121:2023 ISO 105-C12:2024 | BIOFERTILIZER LIQUID BASED PHOSPHATE SOLUBILIZING FUNGAL INOCULANTS ASPERGILLUS AWAMORI SPECIFICATION |
| 23 | IS 18146:2023 ISO 21987:2017 | Phosphate Rich Organic Manure Specification |

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| 24 | IS 18363:2023 | Zinc solubilizing bacterial inoculant ZnSBI - SPECIFICATION |
| 25 | IS 3029:2024 | Castorseed cake for fertilizer purposes - Specification First Revision |
| 26 | IS 5406:2024 | Urea Fertilizer Grade Specification Second Revision |
| 27 | IS 5409 (Part 1):2025 | Agricultural liming materials as soil amendments - Specification Part 1 Hydrated lime and burnt lime second revision |
| 28 | IS 5409 (Part 2):2025 | Agricultural liming materials as soil amendments - Specification Part 2 Limestone and dolomite second revision |
| 29 | IS 6046:2023 ISO 31031: 2024 | Gypsum for agricultural use - Specification second revision |
| 30 | IS 6661:2022 | Potassium Schoenite |
| 31 | IS 7131:2022 ISO 14620-1: 2018 | Nitrophosphate Based Granulated Fertilizers |
| 32 | IS 7863:2025 | Fertilizer physical mixtures - Specification First Revision |
| 33 | IS 8268:2020 Reviewed In : 2025 | Rhizobium Inoculants - Specification Third Revision |
| 34 | IS 853:2023 ISO 6603-2 : 2023 | BONE MEAL RAW SPECIFICATION |
| 35 | IS 8558:2025 | NEEM cake for manuring - Specification first revision |
| 36 | IS 9024:2025 | Granulated fertilizer mixtures - Specification First Revision |
| 37 | IS 9138:2020 Reviewed In : 2024 | Azotobacter Spp Inoculants - Specification Third Revision |