National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MANTEC ENVIRONMENTAL LABORATORY, D-36, SECTOR -06, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ammonia	CPCB Guidelines for the measurements of Ambient air pollutants Vol. I May
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Arsenic	CPCB Guidelines for the measurements of Ambient air pollutants (Page 47-54) Vol. I May
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Carbon Monoxide	IS 5182 (Part 10) NDIR Method
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Lead	IS 5182 (Part 22)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nickel	CPCB Guidelines for the measurements of Ambient air pollutants (Page 47-54) Vol. I May
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide	IS 5182 (Part 6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone	IS 5182 (Part 9) Chemical Method
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter	IS 5182 (Part 4)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter 2.5	CPCB Guidelines for the measurements of Ambient air pollutants Vol. I May
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter/PM10	IS 5182 (Part 23)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide	IS 5182 (Part 2)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Noise Levels	IS 9989
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Monoxide	IS 13270 Orsat
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	CO2	IS 13270 Orsat
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	O2	IS 13270 Orsat
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (Part 07)

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17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 01)
18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Di Oxide	IS 11255 (Part 02)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	IS 2720 (Part 29)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium Carbonate	IS 2720 (Part 23)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cation Exchange Capacity	IS 2720 (Part 24)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Conductivity	IS 14767
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture	IS 2720 (Part 02)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720 (Part 22)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Phosphorus as P	IS 10158
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium as K	IS 9497
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium as Na	IS 9497
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Kjeldahl Nitrogen	IS 14684
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity	IS 3025 (Part 22)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Alkalinity	IS 3025 (Part 23)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Aluminium	IS 3025 (Part 02)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Ammonia (As Total Ammonia-N)	IS 3025 (Part 34)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Antimony	IS 3025 (Part 02)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic	IS 3025 (Part 02)

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36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Barium	IS 3025 (Part 02)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand	IS 3025 (Part 44)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Boron	IS 3025 (Part 02)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium	IS 3025 (Part 02)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium	IS 3025 (Part 40)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloramines as Cl2	IS 3025 (Part 26)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper	IS 3025 (Part 02)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (Part 38)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium	IS 3025 (Part 52)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron	IS 3025 (Part 02)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead	IS 3025 (Part 02)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium	IS 3025 (Part 46)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese	IS 3025 (Part 02)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mercury	IS 3025 (Part 48)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel	IS 3025 (Part 02)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	IS 3025 (Part 34)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite Nitrogen (NO2-N)	IS 3025 (Part 34)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Odour	IS 3025 (Part 5)

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55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (Part 39)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (Part 11)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phenolic Compounds	IS 3025 (Part 43)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	IS 3025 (Part 31)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium	IS 3025 (Part 45) Flame Photometer
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Selenium	IS 3025 (Part 02)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silica	IS 3025 (Part 35)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Silver	IS 3025 (Part 02)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium	IS 3025 (Part 45) Flame Photometer
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate	IS 3025 (Part 24)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphide	IS 3025 (Part 29)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature °C	IS 3025 (Part 9)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Chromium	IS 3025 (Part 02)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (Part 15)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (Part 17)
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Zinc	IS 3025 (Part 02)
71	CHEMICAL- RESIDUES IN WATER	Drinking Water	Aluminium	IS 3025 (Part 02)
72	CHEMICAL- RESIDUES IN WATER	Drinking Water	Antimony	IS 3025 (Part 02)
73	CHEMICAL- RESIDUES IN WATER	Drinking Water	Arsenic	IS 3025 (Part 02)

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74	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium	IS 3025 (Part 02)
75	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron	IS 3025 (Part 02)
76	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium	IS 3025 (Part 02)
77	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper	IS 3025 (Part 02)
78	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron	IS 3025 (Part 02)
79	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead	IS 3025 (Part 02)
80	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese	IS 3025 (Part 02)
81	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury	IS 3025 (Part 48)
82	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel	IS 3025 (Part 02)
83	CHEMICAL- RESIDUES IN WATER	Drinking Water	Selenium	IS 3025 (Part 02)
84	CHEMICAL- RESIDUES IN WATER	Drinking Water	Silver	IS 3025 (Part 02)
85	CHEMICAL- RESIDUES IN WATER	Drinking Water	Total Chromium	IS 3025 (Part 02)
86	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	IS 3025 (Part 02)
87	CHEMICAL- RESIDUES IN WATER	Ground Water	Alluminum	IS 3025 (Part 02)
88	CHEMICAL- RESIDUES IN WATER	Ground Water	Antimony	IS 3025 (Part 02)
89	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic	IS 3025 (Part 02)
90	CHEMICAL- RESIDUES IN WATER	Ground Water	Barium	IS 3025 (Part 02)
91	CHEMICAL- RESIDUES IN WATER	Ground Water	Boron	IS 3025 (Part 02)
92	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium	IS 3025 (Part 02)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
93	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper	IS 3025 (Part 02)
94	CHEMICAL- RESIDUES IN WATER	Ground Water	Iron	IS 3025 (Part 02)
95	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead	IS 3025 (Part 02)
96	CHEMICAL- RESIDUES IN WATER	Ground Water	Manganese	IS 3025 (Part 02)
97	CHEMICAL- RESIDUES IN WATER	Ground Water	Mercury	IS 3025 (Part 48)
98	CHEMICAL- RESIDUES IN WATER	Ground Water	Nickel	IS 3025 (Part 02)
99	CHEMICAL- RESIDUES IN WATER	Ground Water	Selenium	IS 3025 ((Part 02)
100	CHEMICAL- RESIDUES IN WATER	Ground Water	Silver	IS 3025 (Part 02)
101	CHEMICAL- RESIDUES IN WATER	Ground Water	Total Chromium	IS 3025 (Part 02)
102	CHEMICAL- RESIDUES IN WATER	Ground Water	Zinc	IS 3025 (Part 02)
103	CHEMICAL- RESIDUES IN WATER	Surface Water	Aluminium	IS 3025 (Part 02)
104	CHEMICAL- RESIDUES IN WATER	Surface Water	Antimony	IS 3025 (Part 02)
105	CHEMICAL- RESIDUES IN WATER	Surface Water	Arsenic	IS 3025 (Part 02)
106	CHEMICAL- RESIDUES IN WATER	Surface Water	Barium	IS 3025 (Part 02)
107	CHEMICAL- RESIDUES IN WATER	Surface Water	Boron	IS 3025 (Part 02)
108	CHEMICAL- RESIDUES IN WATER	Surface Water	Cadmium	IS 3025 (Part 02)
109	CHEMICAL- RESIDUES IN WATER	Surface Water	Copper	IS 3025 (Part 02)
110	CHEMICAL- RESIDUES IN WATER	Surface Water	Iron	IS 3025 (Part 02)
111	CHEMICAL- RESIDUES IN WATER	Surface Water	Lead	IS 3025 (Part 02)

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112	CHEMICAL- RESIDUES IN WATER	Surface Water	Manganese	IS 3025 (Part 02)
113	CHEMICAL- RESIDUES IN WATER	Surface Water	Mercury	IS 3025 (Part 48)
114	CHEMICAL- RESIDUES IN WATER	Surface Water	Nickel	IS 3025 (Part 02)
115	CHEMICAL- RESIDUES IN WATER	Surface Water	Selenium	IS 3025 (Part 02)
116	CHEMICAL- RESIDUES IN WATER	Surface Water	Silver	IS 3025 (Part 02)
117	CHEMICAL- RESIDUES IN WATER	Surface Water	Zinc	IS 3025 (Part 02)
118	CHEMICAL- WATER	Drinking Water	Alkalinity	IS 3025 (Part 23)
119	CHEMICAL- WATER	Drinking Water	Anionic Surface Active Agent	IS 13428 (Annex K)
120	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
121	CHEMICAL- WATER	Drinking Water	Chloramines as Cl2	IS 3025 (Part 26)
122	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 23)
123	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 04)
124	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 (Part 14)
125	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38)
126	CHEMICAL- WATER	Drinking Water	Fluoride	IS 3025 (Part 60)
127	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (Part 26)
128	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	IS 3025 (Part 52)
129	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
130	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025 (Part 34)
131	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen (NO2-N)	IS 3025 (Part 34)
132	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
133	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
134	CHEMICAL- WATER	Drinking Water	Phenolic Compounds	IS 3025 (Part 43)
135	CHEMICAL- WATER	Drinking Water	Phosphate	IS 3025 (Part 31)
136	CHEMICAL- WATER	Drinking Water	Potassium	IS 3025 (Part 45) Flame Photometer
137	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35)

SCOPE OF ACCREDITATION

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138	CHEMICAL- WATER	Drinking Water	Sodium	IS 3025 (Part 45)
139	CHEMICAL- WATER	Drinking Water	Sulphate	IS 3025 (Part 24)
140	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025 (Part 29)
141	CHEMICAL- WATER	Drinking Water	Taste (Threshold & Rating)	IS 3025 (Part 7 & 8)
142	CHEMICAL- WATER	Drinking Water	Temperature °C	IS 3025 (Part 9)
143	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 15)
144	CHEMICAL- WATER	Drinking Water	Total hardness	IS 3025 (Part 21)
145	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
146	CHEMICAL- WATER	Ground Water	Alkalinity	IS 3025 (Part 23)
147	CHEMICAL- WATER	Ground Water	Anionic Surface Active Agent	IS 13428 (Annex K)
148	CHEMICAL- WATER	Ground Water	Calcium	IS 3025 (Part 40)
149	CHEMICAL- WATER	Ground Water	Chloramines as Cl2	IS 3025 (Part 26)
150	CHEMICAL- WATER	Ground Water	Chloride	IS 3025 (Part 32)
151	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
152	CHEMICAL- WATER	Ground Water	Conductivity	IS 3025 (Part 14)
153	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS 3025 (Part 38)
154	CHEMICAL- WATER	Ground Water	Fluoride	IS 3025 (Part 60)
155	CHEMICAL- WATER	Ground Water	Free Residual Chlorine	IS 3025 (Part 26)
156	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	IS 3025 (Part 52)
157	CHEMICAL- WATER	Ground Water	Magnesium	IS 3025 (Part 46)
158	CHEMICAL- WATER	Ground Water	Nitrate	IS 3025 (Part 34)
159	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen (NO2-N)	IS 3025 (Part 34)
160	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 05)
161	CHEMICAL- WATER	Ground Water	pH	IS 3025 (Part 11)
162	CHEMICAL- WATER	Ground Water	Phenolic Compounds	IS 3025 (Part 43)
163	CHEMICAL- WATER	Ground Water	Phosphate	IS 3025 (Part 31)
164	CHEMICAL- WATER	Ground Water	Potassium	IS 3025 (Part 45) Flame Photometer
165	CHEMICAL- WATER	Ground Water	Silica	IS 3025 (Part 35)
166	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (Part 45)
167	CHEMICAL- WATER	Ground Water	Sulphate	IS 3025 (Part 24)

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168	CHEMICAL- WATER	Ground Water	Sulphide	IS 3025 (Part 29)
169	CHEMICAL- WATER	Ground Water	Taste (Threshold & Rating)	IS 3025 (Part 07& 08)
170	CHEMICAL- WATER	Ground Water	Temperature °C	IS 3025 (Part 9)
171	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 15)
172	CHEMICAL- WATER	Ground Water	Total Hardness	IS 3025 (Part 21)
173	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
174	CHEMICAL- WATER	Surface Water	Alkalinity	IS 3025 (Part 23)
175	CHEMICAL- WATER	Surface Water	Anionic Surface Active Agent	IS 13428 (Annex K)
176	CHEMICAL- WATER	Surface Water	Calcium	IS 3025 (Part 40)
177	CHEMICAL- WATER	Surface Water	Chloramines as Cl2	IS 3025 (Part 26)
178	CHEMICAL- WATER	Surface Water	Chloride	IS 3025 (Part 32)
179	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
180	CHEMICAL- WATER	Surface Water	Conductivity	IS 3025 (Part 14)
181	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS 3025 (Part 38)
182	CHEMICAL- WATER	Surface Water	Fluoride	IS 3025 (Part 60)
183	CHEMICAL- WATER	Surface Water	Free Residual Chlorine	IS 3025 (Part 26)
184	CHEMICAL- WATER	Surface Water	Hexavalent Chromium	IS 3025 (Part 52)
185	CHEMICAL- WATER	Surface Water	Magnesium	IS 3025 (Part 46)
186	CHEMICAL- WATER	Surface Water	Nitrate	IS 3025 (Part 34)
187	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen (NO2-N)	IS 3025 (Part 34)
188	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 05)
189	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
190	CHEMICAL- WATER	Surface Water	Phenolic Compounds	IS 3025 (Part 43)
191	CHEMICAL- WATER	Surface Water	Phosphate	IS 3025 (Part 31)
192	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (Part 45) Flame Photometer
193	CHEMICAL- WATER	Surface Water	Silica	IS 3025 (Part 35)
194	CHEMICAL- WATER	Surface Water	Sodium	IS 3025 (Part 45)
195	CHEMICAL- WATER	Surface Water	Sulphate	IS 3025 (Part 24)
196	CHEMICAL- WATER	Surface Water	Sulphide	IS 3025 (Part 29)
197	CHEMICAL- WATER	Surface Water	Temperature °C	IS 3025 (Part 9)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
198	CHEMICAL- WATER	Surface Water	Total Chromium	IS 3025 (Part 02)
199	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 (Part 15)
200	CHEMICAL- WATER	Surface Water	Total Hardness	IS 3025 (Part 21)
201	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)