

Annexure – VIII

8.0 Dust and Water Ingress Protection Test (IP67) as per IEC 60529:

8.1 Test Method & Specifications:

Dust and water ingress protection as per IP 67 of IEC 60529:

Test conditions for Dust:
Test Dust: Talcum Powder
Depression value on Manometer: Not more than 2kpa
Test Duration: 2 Hrs
Acceptance Criteria: No dust ingress inside the sample after the test.

Test conditions for water:
 Immersion bowl Immersion depth: 1m (from deepest point of enclosure)
Test Duration: 30 Min
Acceptance Criteria: No water ingress should be permitted after the test which can affect the sample functionality.

8.2 Test Observation and Results:

a) **For Dust: No dust ingress was observed after the test.**
Result:
Before Test:
 \$iTriangle,CLIENT_1NS,TSOR1_TEST5,IN,L,861693034581413,KA-01 I-2000,1,030517151633,28.358704,N,76.927956,E,0,144,9,218.90,0.94,0, IDEA CELLULAR Ltd,1,1,0,C,20,404,04,019c,1e98,1e97,019c,e60b,019c,d843,019c,d77a,019c,0,0,0,0,0,0,000014,0,5B,*
After Test:
 \$iTriangle,CLIENT_1NS,TSOR1_TEST5,IN,L,861693034581413,KA-01 I-2000,1,040517104140,28.358883,N,76.928001,E,0,194,7,255.70,1.27,0, IDEA CELLULAR Ltd,1,1,0,O,19,404,04,0138,1c2b,1e98,019c,e60b,019c,1e97,019c,1c2c,0138,0,0,0,0,0,0,000027,0,0F,*
Satisfactory.

b) **For Water: No water ingress was observed after the test.**
Result:
Before Test:
 \$iTriangle,CLIENT_1NS,TSOR1_TEST5,IF,L,861693034581413,KA-01 I-2000,1,020517152419,28.358747,N,76.928154,E,0,100,10,246.40,0.82,0, IDEA CELLULAR Ltd,0,1,0,C,19,404,04,019c,1e98,e60b,019c,d843,019c,9ae3,019c,1c2c,0138,0,0,0,0,0,0,0000222,0,6F,*
After Test:
 \$iTriangle,CLIENT_1NS,TSOR1_TEST5,IF,L,861693034581413,KA-01 I-2000,1,020517162710,28.358829,N,76.928085,E,0,322,8,232.50,0.94,0, IDEA CELLULAR Ltd,0,0,0,O,18,404,04,019c,e60b,1e98,019c,1e97,019c,1c2d,0138,1eca,0138,0,0,0,0,0,0,000028,0,59,*
Satisfactory.

<i>Prepared By</i>		<i>Checked By</i>	Page 20 of 38 + Drawing (05Nos.) + BOM (04Nos.) + PCB Layout (03 Nos.) [51494]
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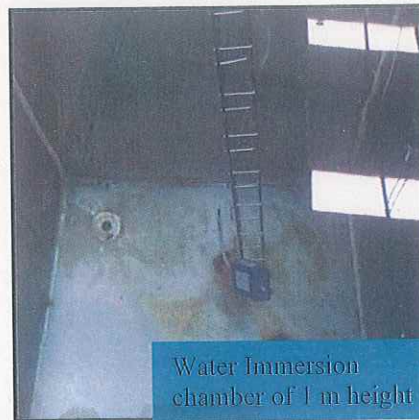
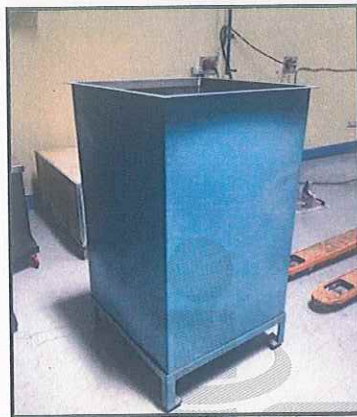
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8.3 Test Setup Photographs:



During Dust Test



Water Immersion chamber of 1 m height

During Water Test



After Water Test



After Dust Test



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