Annexure – IX

9.0 Ingress Protection Test (IP67) as per IS/IEC 60529-2001:

9.1 Test Conditions:

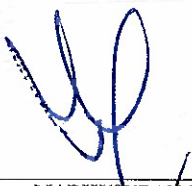| ICAT Sample I.D	ICAT/AEEL/56955/03 & 02
DUT Operation During Test	Non-Operating Mode

9.2 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

9.3 Acceptance Criteria:

VLT with Emergency Button shall be tested for the connectivity to server and its capability to send two location messages.

9.4 Test Observation and Results:

a) <u>For Dust:</u> No dust ingress was observed after the test.

Result:

Before Test:

Emergency IP Data:

$Header,iTriangle,EMR,861693034637124,NM,21122017103653,A,28.359892,N,76.927849,E,314.0,0.0,0,G,KA01I2000,+917406466262*49

PVT IP Data:

$Header,iTriangle,1_36T02B0164MAIS_6,EA,10,L,861693034637124,KA01I2000,1,21122017,103634,28.359818,N,76.927933,E,0.0,165,7,314.0,2.62,2.43,AirTel,1,1,11.8,4.0,1,O,24,404,10,0209,6d17,32,4333,0209,32,d2fc,0209,31,6d18,0209,29,9cf1,0209,0001,00,024544,0.0,0.0,0,()*49

After Test:

Emergency IP Data:

$Header,iTriangle,EMR,861693034637124,NM,21122017134043,A,28.359222,N,76.927826,E,249.0,0.0,0,G,KA01I2000,+917406466262*4B

PVT IP Data:

$Header,iTriangle,1_36T02B0164MAIS_6,EA,10,L,861693034637124,KA01I2000,1,21122017,133732,28.359215,N,76.927841,E,0.0,214,11,249.0,1.16,0.85,AirTel,1,1,11.9,4.0,1,O,23,404,10,0209,6d17,29,4333,0209,27,b2f8,0209,22,d2fb,0209,21,b2fa,0209,0001,00,024672,0.0,0.0,0,()*77

Satisfactory.

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SONIA NAIN Assistant Manager		MADHUSUDAN JOSHI Deputy General Manager	Page 17 of 65 + Drwg (03Nos.) [56955]

Annexure – IX (Continued)

b) **For Water:** No water ingress was observed after the test.

Result:

Before Test:

Emergency IP Data:

$Header,iTriangle,EMR,861693034634881,NM,21122017073720,A,28.358883,N,76.927841,E,222,0,0,G,KA01I2000,+917406466262*42

PVT IP Data:

$Header,iTriangle,1_36T02B0164MAIS_6,EA,10,L,861693034634881,KA01I2000,1,21122017,073713,28.358862,N,76.927872,E,0,7,10,221.0,2.22,1.67,AirTel,0,1,11.9,3.9,1,C,25,404,10,0209,6d17,30,9cf1,0209,26,b2f8,0209,25,6d18,0209,23,6e9d,0209,0100,00,000927,0.0,0.0,0,()*33

After Test:

Emergency IP Data:

$Header,iTriangle,EMR,861693034634881,NM,21122017094756,A,28.358603,N,76.927925,E,223,0,0,G,KA01I2000,+917406466262*4E

PVT IP Data:

$Header,iTriangle,1_36T02B0164MAIS_6,EA,10,L,861693034634881,KA01I2000,1,21122017,094752,28.358618,N,76.927910,E,0,112,8,223.0,1.64,1.38,AirTel,0,1,11.9,4.0,1,O,26,404,10,0209,6d17,30,6d18,0209,27,4333,0209,22,9cf1,0209,20,b2fa,0209,0100,00,001080,0.0,0.0,0,()*5D

Satisfactory.

Prepared By		Checked By	
Sonia (sign)		*signature*	Page 18 of 65 + Drwg (03Nos.) [56955]
SONIA NAIN Assistant Manager		**MADHUSUDAN JOSHI** Deputy General Manager	