



Certificate of compliance Site



Holder ETA Engineering Pvt. Limited, India

Solution Tunnel Ventilation System

Site Chennai Metro Rail System (Phase 1 - Contract UAA - 06)

Basis of Certification EN50128:2011

Certification Include(s)

- ☒ Software planning phase
- ☒ System development phase
- ☒ Software requirements phase
- ☒ Software architecture and design phase
- ☒ Software component design phase
- ☒ Software component implementation phase
- ☒ Software component testing phase
- ☒ Software integration phase
- ☒ Software validation phase
- ☒ Software deployment and maintenance phase

Functional Safety Data

Safety function Tunnel Ventilation

SIL 3

Certification Results Risknowlogy certifies that the Solution installed at Site meets the requirements of the Basis of Certification for the selected assessment(s). The Risknowlogy report 249.145.7 is an integral part of this certificate.

Certificate Number 249.145.10-0

Initial Certification 2020-07-28

This Certificate 2020-07-28

Expiry Date After modification of solution(s)

Certifier Dr. Michel Houtermans





Certificate of compliance Site



Site	Corridor	System ID	Configuration CRC	Program CRC
OCC - C1	1	1223	16#6554ee42	16#9b166eb6
OCC - C2	2	2233	16#1b6e0766	16#b6ca565a
Washermenpet Metro (SWA)	1	1010	16#d66e76ca	16#0d82ef27
Washermenpet Metro (SWA)	1	1011	16#196c9c31	16#ed99b733
Washermenpet Metro (SWA)	1	1012	16#209c78af	16#6d97db03
Mannadi (SMA)	1	1020	16#7dcec5e8	16#5ba6feb4
Mannadi (SMA)	1	1021	16#74efaa2b	16#6ffacc38
Mannadi (SMA)	1	1022	16#0ddd455d	16#5ce10341
High court (SHC)	1	1030	16#73166bd5	16#2f80c14e
High court (SHC)	1	1031	16#7a7e1182	16#c63631cf
High court (SHC)	1	1032	16#d9107973	16#21581fa6
Central Metro (SCC-C1)	1	1040	16#fa3e60f9	16#52e698da
Central Metro (SCC-C2)	2	2120	16#e7c5a9db	16#ebb12afa
Central Metro (SCC-C1)	1	1041	16#bf5cbdb2	16#de04ecdd
Central Metro (SCC-C2)	2	2121	16#d7acf2bd	16#f1f4e017
Central Metro (SCC-C1)	1	1042	16#855d2717	16#d62cd481
Central Metro (SCC-C2)	2	2122	16#578448e6	16#4b9ac8eb
Government Estate (SGE)	1	1050	16#396a8e32	16#822c285d
Government Estate (SGE)	1	1051	16#f3a99423	16#8a6cc464
Government Estate (SGE)	1	1052	16#7dbef58f	16#627fa55c





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Site	Corridor	System ID	Configuration CRC	Program CRC
May Day Park (MDP)	1	1210	16#00e08acb	16#bc50163e
LIC (SLI)	1	1060	16#1b9bf096	16#60f12cd2
LIC (SLI)	1	1061	16#5133a20a	16#753abf08
LIC (SLI)	1	1062	16#dd80748f	16#f41a4f25
Thousand Lights (STL)	1	1070	16#19d3c0b5	16#aa02ccdb
Thousand Lights (STL)	1	1071	16#18825f98	16#96e27816
Thousand Lights (STL)	1	1072	16#1ea906e9	16#f3d6a716
AG-DMS (SGM)	1	1080	16#ac16241a	16#8fc30fc1
AG-DMS (SGM)	1	1081	16#dff2202e	16#89b9efe6
AG-DMS (SGM)	1	1082	16#362eff1b	16#624a94f4
Teynampet (STE)	1	1090	16#de1b5625	16#f11363bd
Teynampet (STE)	1	1091	16#3b647d36	16#aee5de98
Teynampet (STE)	1	1092	16#bb960912	16#01471c10
Nandanam (SCR)	1	1100	16#cfdd8ff8	16#01c3a358
Nandanam (SCR)	1	1101	16#56fda330	16#18ebee21
Nandanam (SCR)	1	1102	16#5edd1d57	16#ab76c4d2
Saidapet Metro (SSA)	1	1110	16#fb3638ac	16#9b166eb6
Saidapet Metro (SSA)	1	1111	16#542ed140	16#f5e12673
Saidapet Metro (SSA)	1	1112	16#54699c87	16#9587f756
Anna Nagar East	2	2180	16#5a714202	16#83eb6968





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Anna Nagar East	2	2181	16#76bb107d	16#7067d96a
Anna Nagar East	2	2182	16#b9270633	16#9214275c
Anna Nagar Tower	2	2190	16#ac312f9a	16#e2bab5b9
Anna Nagar Tower	2	2191	16#f529cdf4	16#43e35fe9
Anna Nagar Tower	2	2192	16#2e8dc791	16#ba4cab64
Egmore Metro	2	2130	16#47811202	16#a1691f30
Egmore Metro	2	2131	16#c9e236f3	16#6841c80a
Egmore Metro	2	2132	16#59d095e5	16#77240621
Kilpauk	2	2150	16#fdcf5680	16#585eaadc
Kilpauk	2	2151	16#4c1d6861	16#ef39f256
Kilpauk	2	2152	16#433f8ccd	16#5cc8f2c7
Nehru Park	2	2140	16#6e0c46c6	16#31175a76
Nehru Park	2	2141	16#e4c6e12a	16#164c9dda
Nehru Park	2	2142	16#fbf15f91	16#b9098171
Pachaiyappa's College	2	2160	16#7292e7a6	16#4bfd0ff0
Pachaiyappa's College	2	2161	16#ea8d17bd	16#2fe99063
Pachaiyappa's College	2	2162	16#2e5bbf64	16#2d28a600
Shenoy Nagar	2	2170	16#785ca14f	16#af4fc278
Shenoy Nagar	2	2171	16#aa35e1f6	16#22617b4d
Shenoy Nagar	2	2172	16#7a3c8d17	16#6b4f8faf





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Site	Corridor	System ID	Configuration CRC	Program CRC
Thirumangalam	2	2200	16#65b670ef	16#b650bb6a
Thirumangalam	2	2201	16#7cb65082	16#c37dc299
Thirumangalam	2	2202	16#f1ac717a	16#d9fca13f

