



EIA Report for Ongoing 2x 660 MW Udangudi Supercritical Thermal Power Project Stage-1 at
Udangudi Village, Tiruchendur Taluk, Tuticorin District, Tamil Nadu



Ambient air quality monitoring locations (March 2024 to May 2024)

Ambient Air Quality Monitoring				
Code	Location/ Landmarks	Latitude & Longitude	Distance (km) & Direction	Environmental Setting
AAQ 1	Project site	8°26'28.21"N 78°4'9.10"E	-	Industrial
AAQ 2	Thanadavankadu	8°22'42.45"N 78°00' 59.15"E	6.21 SW	Residential
AAQ 3	Nainarpathu	8°27'11.51"N 78°2'42.51"E	2.07 W	Residential
AAQ 4	Muthaiya puram	8°28'26.23"N 78°4'26.79"E	2.93 N	Residential
AAQ 5	Kulasekharapatnam	8°23'30.67"N 78°3'6.49"E	3 S	Residential
AAQ 6	Paramankurichi	8°28'58.02"N 78°2'35.47"E	4.89 NW	Residential
AAQ 7	Mardhurkarai	8°27'23.43"N 78°0'5.90"E	6.6 W	Residential
AAQ 8	Udangudi	8°25'40.59"N 78°1'41.72"E	2.61 W	Commercial



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Revalidated data during March - May 2024

Ambient air quality results

Code	Location	PM2.5, µg/m ³				PM10, µg/ m ³				SO2, µg/ m ³				NO2, µg/ m ³				CO, mg/ m ³			
		Min	Max	Mean	98 (%)	Min	Max	Mean	98 Per	Min	Max	Mean	98 (%)	Min	Max	Mean	98 (%)	Min	Max	Mean	98 (%)
AAQ1	Project site	21	27	24.58	27	46	58	51.96	57.54	5.9	8.9	7.46	8.808	12.9	16.6	14.60	16.416	0.1	0.21	0.14	0.2012
AAQ2	Thanadavankadu	17	22	19.54	22	37	47	41.79	47	5.1	7.3	6.22	7.208	10.9	15.1	12.96	14.778	BDL(<0.1)			
AAQ3	Nainarpathu	18	25	21	24.54	37	51	44.71	51	5.1	7.4	6.48	7.354	12.8	16.3	14.2	16.162	BDL(<0.1)			
AAQ4	Muthaiya puram	19	26	22.33	26	41	56	47.38	54.62	5.7	8.1	6.94	8.008	13.4	17	14.89	16.954	BDL(<0.1)	0.21	-	-
AAQ5	Kulasekharapatnam	17	24	19.71	23.54	37	49	41.96	48.54	-	7.6	-	-	10.9	14.7	12.85	14.7	BDL(<0.1)	0.14	-	-
AAQ6	Paramankurichi	19	26	22.04	25.54	40	53	46.83	53	5.3	8.7	6.95	8.378	12.5	17	14.96	16.954	0.11	0.21	0.15	0.2008
AAQ7	Mardhurkarai	16	21	18.29	21	33	45	39.04	44.54	BDL(<5)				10.4	13.6	11.92	13.462	BDL(<0.1)			
AAQ8	Udangudi	20	27	23.92	27	43	58	51.04	58	5.9	8.5	7.35	8.454	13.7	17.7	15.63	17.516	0.12	0.28	0.19	0.2708