

A01.1 - Option 2: Modified thresholds in polluted regions

Technical Document

WELL Building Standard™ version 2 (WELL v2™), Q4 2022 addenda



HOW TO USE THIS DOCUMENT:

This document is intended to serve as a guide on how to create a project **technical document** to **provide a basic level of indoor air quality that contributes to the health and well-being of building users.**

This document is meant to demonstrate an acceptable degree of detail for

- documentation submission
- precertification documentation submission

The Feature cannot be demonstrated solely through a confirmation that the requirements have been or will be implemented. The level of detail is up to the discretion of the project team, but the documents must include specific details demonstrating that the actual policies/protocols have been enacted in the project boundary.

This document and similar tools are intended to assist projects in their pursuit of WELL v2 but use of this document and/or similar tools are in no way a guarantee of achievement of any rating, certification or other designation, and no representation or warranty is made regarding the likelihood of achieving any rating, certification or other designation, and IWBI shall have no liability resulting from the use or content of this document or similar tools or resources or from any action taken or inaction occurring in reliance on this document or similar tools or resources.

Note: The below document is based on the Q4 2022 addenda of the WELL Building Standard™ version 2 (WELL v2™). Project teams are required to implement the feature requirements from the addenda version assigned to their project or any more recent addenda version.

FEATURE PART REQUIREMENTS:

For All Spaces except Commercial Kitchen Spaces & Industrial

Certification note: Projects pursuing this strategy are limited in WELL Certification level to Gold, regardless of total points achieved.

For buildings where the annual average outdoor PM_{2.5} level is 35 µg/m³ or higher, the following thresholds are met:

- a. PM_{2.5}: 25 µg/m³ or lower.
- b. PM₁₀: 50 µg/m³ or lower.

WELL Core Guidance:

Meet these requirements in non-leased spaces provided, this area comprises at least 2.5% of the total project area.

Otherwise, meet these requirements in non-leased space plus sufficient leased space to sum to 2.5% of the total project area.



The below sample documentation is intended to provide guidance in creating a technical document. It is not a template. You may note included components that are not required to demonstrate compliance with this Feature.

Example document for Feature Part 1, Option 2

IndiaFactSheet2020 data (<https://aqli.epic.uchicago.edu/wp-content/uploads/2020/07/IndiaFactSheet2020-.pdf>)

Project location: Delhi (NCT of Delhi)

Avg Annual PM2.5: 106 $\mu\text{g}/\text{m}^3$ ($\geq 35 \mu\text{g}/\text{m}^3$ threshold)

PM_{2.5} Concentrations and Life Expectancy Gains by State.

Years of Life Expectancy Gain through Reducing PM _{2.5}							Years of Life Expectancy Gain through Reducing PM _{2.5}						
State/UT	Population (Millions)	PM _{2.5} Concentration, 2018 ($\mu\text{g}/\text{m}^3$)	From 2018 Concentration to WHO Guideline of 10 $\mu\text{g}/\text{m}^3$	From 2018 Concentration to the National Standard of 40 $\mu\text{g}/\text{m}^3$	From 2017 Concentration by 25% per NCAAP	From 2018 Concentration by 40%	State/UT	Population (Millions)	PM _{2.5} Concentration, 2018 ($\mu\text{g}/\text{m}^3$)	From 2018 Concentration to WHO Guideline of 10 $\mu\text{g}/\text{m}^3$	From 2018 Concentration to the National Standard of 40 $\mu\text{g}/\text{m}^3$	From 2017 Concentration by 25% per NCAAP	From 2018 Concentration by 40%
Andaman and Nicobar	0.4	16	0.6	0.0	0.3	0.6	Maharashtra	119.0	42	3.1	0.2	1.1	1.6
Andhra Pradesh	50.7	40	3.0	0.2	1.1	1.6	Manipur	3.1	37	2.6	0.1	0.8	1.4
Arunachal Pradesh	1.5	26	1.5	0.0	0.6	1.0	Meghalaya	3.4	52	4.1	1.2	1.1	2.0
Assam	33.3	52	4.1	1.3	1.1	2.0	Mizoram	1.2	37	2.6	0.1	0.8	1.4
Bihar	116.6	88	7.6	4.7	2.2	3.4	Nagaland	1.9	33	2.2	0.0	0.8	1.3
Chandigarh	1.1	71	6.0	3.0	2.0	2.8	NCT of Delhi	17.5	106	9.4	6.5	3.1	4.2
Chhattisgarh	28.2	51	4.0	1.1	1.3	2.0	Odisha	43.9	57	4.6	1.7	1.4	2.3
Dadra and Nagar Haveli	0.4	40	2.9	0.0	1.1	1.6	Puducherry	1.3	39	2.8	0.1	0.9	1.5
Daman and Diu	0.3	39	2.8	0.0	1.0	1.5	Punjab	28.8	65	5.4	2.4	1.9	2.5
Goa	1.5	27	1.6	0.0	0.7	1.0	Rajasthan	75.0	51	4.0	1.1	1.3	2.0
Gujarat	65.4	42	3.1	0.2	1.0	1.6	Sikkim	0.6	39	2.8	0.1	0.9	1.5
Haryana	27.6	91	8.0	5.0	2.6	3.6	Tamil Nadu	76.4	42	3.1	0.2	1.0	1.6
Himachal Pradesh	7.1	42	3.1	0.4	1.1	1.6	Telangana	36.1	42	3.1	0.2	1.1	1.6
Jammu and Kashmir	13.6	39	2.8	0.2	1.0	1.5	Tripura	3.9	64	5.3	2.4	1.3	2.5
Jharkhand	36.3	70	5.9	2.9	1.9	2.7	Uttar Pradesh	217.6	97	8.6	5.6	2.5	3.8
Karnataka	64.6	33	2.3	0.0	0.9	1.3	Uttarakhand	11.0	55	4.4	1.6	1.3	2.2
Kerala	32.6	39	2.8	0.1	1.0	1.5	West Bengal	95.6	82	7.1	4.2	2.1	3.2
Ladakh	0.3	14	0.4	0.0	0.3	0.6							
Madhya Pradesh	79.0	53	4.2	1.3	1.3	2.1							

TIPS FOR MULTIPLE LOCATIONS

- For organizations participating in WELL at scale, this technical document is categorized as Shareable. It may be shared across multiple projects, as long as they all meet the strategies that are outlined in the document.