

# Calculation of AQI

<b>Date</b>				<b>Station</b>	Export promotional park ITPL
January-2018				<b>City</b>	Bangalore
				<b>State</b>	Karnataka
<b>Pollutants</b>		<b>concentration in <math>\mu\text{g}/\text{m}^3</math></b>	<b>Sub-Index</b>		<b>Air Quality Index</b>
PM10	Monthly avg	81.00	81	check	<b>AQI = 81</b>
PM2.5	Monthly avg	*	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	34.00	43	1	
*CO ( $\text{mg}/\text{m}^3$ )	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	23.00	6	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					

<b>Good (0–50)</b>	Minimal Impact	<b>Poor (201–300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51–100)</b>	Minor breathing discomfort to sensitive people	<b>Very Poor (301–400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101–200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people

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# Calculation of AQI

Date	January-2018		Station	Rail Wheel factory, Yelahanka	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	72.00	72	check 1	<b>AQI = 72</b>
PM2.5	Monthly avg	*	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	29.00	36	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	22.00	6	1	
* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5 * The check displays "1" when a non-zero value is entered					
<b>Good (0-50)</b>	Minimal Impact			<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people

# Calculation of AQI

Date		Station		City		State	
January-2018		Peenya Indl Area		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	98.00	98	1	<b>AQI = 98</b>		
PM2.5	Monthly avg	46.00	77	1			
SO2	Monthly avg	2.00	3	1			
NO2	Monthly avg	32.00	40	1			
*CO (mg/m3)	Monthly avg	0.00	0	0			
O3	Monthly avg	0.00	0	0			
NH3	Monthly avg	22.00	6	1			
* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5 * The check displays "1" when a non-zero value is entered							
<b>Good (0-50)</b>	Minimal Impact			<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure		
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure		
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people		

Note: Samples were not recieved and hence AQI not done.

## Calculation of AQI

Date	January-2018			Station	Yeshwanthpura		
				City	Bangalore		
				State	Karnataka		
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index	
PM10	Monthly avg	114.00	109	check			
PM2.5	Monthly avg	53.00	88	1			
SO2	Monthly avg	2.00	3	1			
NO2	Monthly avg	32.00	40	1	<b>AQI =</b>	<b>109</b>	
*CO (mg/m3)	Monthly avg	0.00	0	0			
O3	Monthly avg	0.00	0	0			
NH3	Monthly avg	23.00	6	1			
* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5							
* The check displays "1" when a non-zero value is entered							
<b>Good (0-50)</b>	Minimal Impact			<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure		
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure		
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people		

# Calculation of AQI

<b>Date</b> January-2018	<b>Station</b> Amco Batteries Mysore Road
	<b>City</b> Bangalore
	<b>State</b> Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	97.00	97	1	<b>AQI = 97</b>
PM2.5	Monthly avg	39.00	65	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	26.00	7	1	

\* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5

\* The check displays "1" when a non-zero value is entered

<b>Good (0-50)</b>	Minimal Impact	<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people	<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people

## Calculation of AQI

<b>Date</b>				<b>Station</b>	Central Silk Board
January-2018				<b>City</b>	Bangalore
				<b>State</b>	Karnataka
<b>Pollutants</b>		<b>concentration in µg/m<sup>3</sup> (except for CO)</b>	<b>Sub-Index</b>		<b>Air Quality Index</b>
PM10	Monthly avg	98.00	98	check 1	<b>AQI = 98</b>
PM2.5	Monthly avg	*	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO (mg/m <sup>3</sup> )	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	26.00	7	1	

\* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5

\* The check displays "1" when a non-zero value is entered

<b>Good (0-50)</b>	Minimal Impact	<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people	<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people

Note : - Samples were not received for analysis,  
and AQI not done

# Calculation of AQI

Date		Station		City		State	
January-2018		Victoria Hospital		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index	
PM10	Monthly avg	80.00	80	check	1	<b>AQI = 80</b>	
PM2.5	Monthly avg	*	0		0		
SO2	Monthly avg	2.00	3		1		
NO2	Monthly avg	32.00	40		1		
*CO (mg/m3)	Monthly avg	0.00	0		0		
O3	Monthly avg	0.00	0		0		
NH3	Monthly avg	22.00	6		1		
* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5 * The check displays "1" when a non-zero value is entered							
<b>Good (0-50)</b>	Minimal Impact			<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure		
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure		
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people		



# Calculation of AQI

<b>Date</b> January-2018	<b>Station</b> Indira Gandhi CHC-NIMHANS
	<b>City</b> Bangalore
	<b>State</b> Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	69.00	69	1	<b>AQI = 69</b>
PM2.5	Monthly avg	34.00	57	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	23.00	6	1	

\* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5

\* The check displays "1" when a non-zero value is entered

<b>Good</b> (0–50)	Minimal Impact	<b>Poor</b> (201–300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51–100)	Minor breathing discomfort to sensitive people	<b>Very Poor</b> (301–400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe</b> (>401)	Respiratory effects even on healthy people

# Calculation of AQI

<b>Date</b> January-2018	<b>Station</b> City Railway Station
	<b>City</b> Bangalore
	<b>State</b> Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	139.00	126	1	<b>AQI = 126</b>
PM2.5	Monthly avg	*	0	0	
SO2	Monthly avg	6.00	8	1	
NO2	Monthly avg	43.60	55	1	
*CO (mg/m3)	Monthly avg	2.07	101	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	0.00	0	0	

\* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5

\* The check displays "1" when a non-zero value is entered

<b>Good</b> (0-50)	Minimal Impact	<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people	<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe</b> (>401)	Respiratory effects even on healthy people

# Calculation of AQI

Date		Station		City		State	
January-2018		Saneguruvanahalli-CAAQM		Bangalore		Karnataka	
Pollutants	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index			
PM10	Monthly avg 64.00	64	1	<b>AQI = 64</b>			
PM2.5	Monthly avg *	0	0				
SO2	Monthly avg 1.70	2	1				
NO2	Monthly avg 39.90	50	1				
*CO (mg/m3)	Monthly avg 0.48	24	1				
O3	Monthly avg 0.00	0	0				
NH3	Monthly avg 0.00	0	0				
* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5 * The check displays "1" when a non-zero value is entered							
<b>Good (0-50)</b>	Minimal Impact		<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure			
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people		<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure			
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults		<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people			

## Calculation of AQI

Date			Station	Kajisonnehalli	
January-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	87.00	87	check 1	<b>AQI =</b> <span style="background-color: #92d050; padding: 10px; font-size: 24px; font-weight: bold;">87</span>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	23.00	6	1	
<small>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5                      * The check displays "1" when a non-zero value is entered</small>					
<b>Good</b> (0-50)	Minimal Impact			<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people			<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe</b> (>401)	Respiratory effects even on healthy people

## Calculation of AQI

Date	January-2018		Station	TERI -Domlur	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	131.00	121	check 1	<b>AQI = 121</b>
PM2.5	Monthly avg	60.00	100	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	22.00	6	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
<b>Good (0-50)</b>	Minimal Impact			<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51-100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301-400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101-200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people

Note: Samples were not recieved and hence AQI not done.

## Calculation of AQI

Date			Station	Banasawadi Police Station	
January-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	81.00	81	check 1	<b>AQI =</b>  <div style="background-color: #92d050; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> <span style="font-size: 24px; font-weight: bold;">81</span> </div>
PM2.5	Monthly avg	*	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	27.00	34	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	21.00	5	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
<b>Good</b> (0-50)	Minimal Impact			<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people			<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe</b> (>401)	Respiratory effects even on healthy people

Note: Samples were not recieved and hence AQI not done.

## Calculation of AQI

Calculation of AQI						
<b>Date</b>			<b>Station</b>	UVCE, KR CIRCLE		
January-2018			<b>City</b>	Bangalore		
			<b>State</b>	Karnataka		
<b>Pollutants</b>		<b>concentration in <math>\mu\text{g}/\text{m}^3</math> (except for CO)</b>	<b>Sub-Index</b>			<b>Air Quality Index</b>
PM10	Monthly avg	87.00	87	check		<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #90c17e; padding: 20px 40px; border: 2px solid black; font-size: 24px; font-weight: bold;">87</div> </div>
PM2.5	Monthly avg	36.00	60	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	26.00	33	1		
*CO ( $\text{mg}/\text{m}^3$ )	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	20.00	5	1		
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>						
<b>Good (0–50)</b>	Minimal Impact			<b>Poor (201–300)</b>	Breathing discomfort to people on prolonged exposure	
<b>Satisfactory (51–100)</b>	Minor breathing discomfort to sensitive people			<b>Very Poor (301–400)</b>	Respiratory illness to the people on prolonged exposure	
<b>Moderate (101–200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe (&gt;401)</b>	Respiratory effects even on healthy people	

Note: Samples were not recieved and hence AQI not done

## Calculation of AQI

Date	January-2018			Station	DTDC House , Victoria Road	
				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index	
PM10	Monthly avg	0.00	0	0	<b>AQI =</b> <div style="border: 1px solid black; background-color: #add8e6; padding: 10px; display: inline-block; margin-top: 10px;"> <b>Atleast 3 inputs*</b> </div>	check
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	0.00	0	0		
NO2	Monthly avg	0.00	0	0		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	0.00	0	0		
<small>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5                      * The check displays "1" when a non-zero value is entered</small>						
<b>Good</b> (0-50)	Minimal Impact			<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure	
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people			<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure	
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe</b> (>401)	Respiratory effects even on healthy people	

Note: \*-Monitoring not carried out.



## Calculation of AQI

Date	January-2018		Station	Swan silk Pvt Ltd, Peenya	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	105.00	103	check 1	<b>AQI =</b>  <div style="background-color: yellow; border: 2px solid black; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">103</div>
PM2.5	Monthly avg	50.00	83	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO ( $\text{mg}/\text{m}^3$ )	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	22.00	6	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
<b>Good</b> (0–50)	Minimal Impact			<b>Poor</b> (201–300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51–100)	Minor breathing discomfort to sensitive people			<b>Very Poor</b> (301–400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults			<b>Severe</b> (>401)	Respiratory effects even on healthy people

<b>AAQM results for the month of January- 2018</b>									
<b>Sl. No.</b>	<b>Name of the Monitoring Station</b>	<b>Date of Monitoring</b>	<b>(24 hrs Time Weighted Average)</b>						
			<b>PM<sub>10</sub> µg/m<sup>3</sup></b>	<b>PM<sub>2.5</sub> µg/m<sup>3</sup></b>	<b>SO<sub>2</sub> µg/m<sup>3</sup></b>	<b>NO<sub>2</sub> µg/m<sup>3</sup></b>	<b>NH<sub>3</sub> µg/m<sup>3</sup></b>	<b>Pb µg/m<sup>3</sup></b>	<b>CO mg/m<sup>3</sup></b>
1	AMCO Batteries,	Jan-18	97	39.0	2.0	32.0	26.0	0.225	*
2	Central Silk Board, Hosur Road,	Jan-18	98	*	2.0	32.0	26.0	0.113	*
3	Indhira Gandhi Children Health Care	Jan-18	69	34.0	2.0	31.0	23.0	0.121	*
4	ITPL,Whietfield	Jan-18	81	*	2.0	34.0	23.0	0.135	*
5	Mr. Madhachari's House Kazisonnenihalli	Jan-18	87	*	2.0	31.0	23.0	0.397	*
6	Rail Wheel factory, Yelahanka	Jan-18	72	*	2.0	29.0	22.0	0.113	*
7	Swan Silk Pvt. Ltd., Peenya	Jan-18	105	50.0	2.0	32.0	22.0	0.186	*
8	Urban Eco Park, Peenya	Jan-18	98	46.0	2.0	32.0	22.0	0.139	*
9	Victoria Hospital, K. R. Market	Jan-18	80	*	2.0	32.0	22.0	0.077	*
10	Yeshwanthapura Police Station	Jan-18	114	53.0	2.0	32.0	23.0	0.131	*
11	Terri Office, Old Air Port Road, Domlur	Jan-18	131	60.0	2.0	31.0	22.0	0.285	*
12	Banasawadi Police Station	Jan-18	81	*	2.0	27.0	21.0	0.301	*
13	UVCE, K.R Circle	Jan-18	87	36.0	2.0	26.0	20.0	0.144	*
14	City RailwayStation CAAQM	Jan-18	139	*	6.0	43.6	*	*	2.07
15	Sanegruvanahalli CAAQM	Jan-18	64	*	1.7	39.9	*	*	0.48
16	DTDC House, Victoria Road	Jan-18	*	*	*	*	*	*	*
<b>Standards (24 hrs Time Weighted Average)</b>			<b>100.0</b>	<b>60.0</b>	<b>80.0</b>	<b>80.0</b>	<b>400.0</b>	<b>1.0</b>	<b>2.0</b>

Note; \* monitoring not done