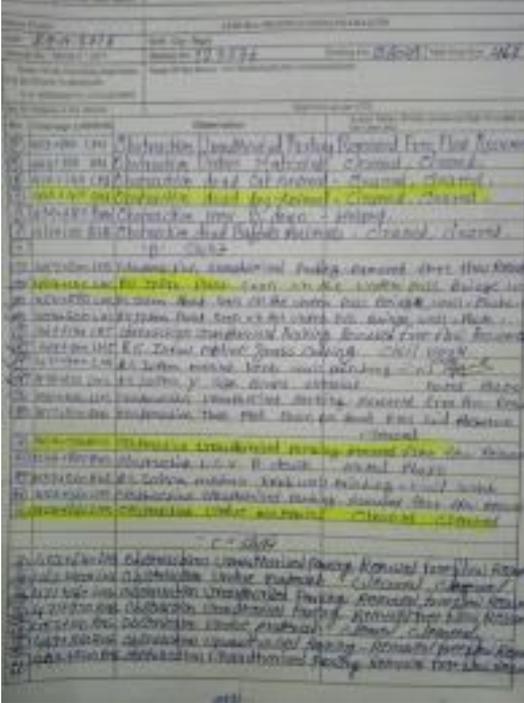


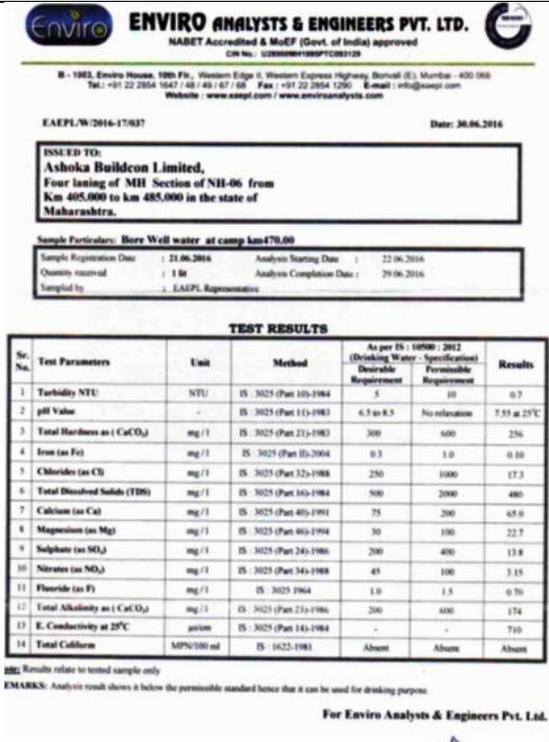
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## Independent Environment, Health, Safety and Social Compliance Audit Report

Sr. No.	Observation	Expected Deliverables (Report/Measurement)	Corrective Actions	Action taken Report	Evidence
1	<p><b>Sign boards indicating Speed breaker ahead and speed limit near Nawegaon Wildlife Sanctuary and Sendurwafa Toll Plaza</b></p> <ul style="list-style-type: none"> <li>ABHL to install sign boards for speed breaker and speed limit near Sendurwafa Toll Plaza, Railway crossing at chainage +km 442.800 and near Nawegaon Wildlife Sanctuary at chainage +km 420.35 to +km 422.340.</li> </ul>	<ul style="list-style-type: none"> <li>Inspection records for various safety aspects like road signage, tools and tackles to be maintained by the engaged subcontractor etc.</li> </ul>	<p>Safety monitoring inspections</p>	<p>Inspection done by patrolling team on daily basis and observation submitted to EQA Dept.</p>	
				<p>install sign boards for speed breaker and speed limit near Sendurwafa Toll Plaza</p>	

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2	<ul style="list-style-type: none"> <li>On review of First Aid Register, it was observed that around thirty (30) cases of dysentery, diarrhea and stomach ache occurred which could be a sign of water-borne disease as a result of consumption of contaminated water.</li> </ul>	<ul style="list-style-type: none"> <li>To continue with the laboratory testing carried out for drinking water samples. To add a test parameter for faecal contamination, along with other parameters as specified in IS standard for drinking water and maintain drinking water quality monthly records at the Toll Plaza.</li> </ul>	<p>Maintaining records for drinking water quality assessment</p>	<p>Regular Testing of water is done for toll plaza &amp; Lakhani camp</p>	 <p><b>TEST RESULTS</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Test Parameters</th> <th rowspan="2">Unit</th> <th rowspan="2">Method</th> <th colspan="2">As per IS : 10500 : 2012 (Drinking Water - Specification)</th> <th rowspan="2">Results</th> </tr> <tr> <th>Desirable Requirement</th> <th>Permissible Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Turbidity NTU</td> <td>NTU</td> <td>IS : 3025 (Part 10)-1984</td> <td>5</td> <td>10</td> <td>0.7</td> </tr> <tr> <td>2</td> <td>pH Value</td> <td>-</td> <td>IS : 3025 (Part 11)-1983</td> <td>6.5 to 8.5</td> <td>No relaxation</td> <td>7.55 at 25°C</td> </tr> <tr> <td>3</td> <td>Total Hardness as (CaCO<sub>3</sub>)</td> <td>mg/l</td> <td>IS : 3025 (Part 21)-1983</td> <td>300</td> <td>600</td> <td>256</td> </tr> <tr> <td>4</td> <td>Iron (as Fe)</td> <td>mg/l</td> <td>IS : 3025 (Part 30)-2004</td> <td>0.3</td> <td>1.0</td> <td>0.10</td> </tr> <tr> <td>5</td> <td>Chlorides (as Cl)</td> <td>mg/l</td> <td>IS : 3025 (Part 32)-1988</td> <td>250</td> <td>1000</td> <td>17.3</td> </tr> <tr> <td>6</td> <td>Total Dissolved Solids (TDS)</td> <td>mg/l</td> <td>IS : 3025 (Part 16)-1984</td> <td>500</td> <td>2000</td> <td>480</td> </tr> <tr> <td>7</td> <td>Calcium (as Ca)</td> <td>mg/l</td> <td>IS : 3025 (Part 40)-1991</td> <td>75</td> <td>200</td> <td>65.0</td> </tr> <tr> <td>8</td> <td>Magnesium (as Mg)</td> <td>mg/l</td> <td>IS : 3025 (Part 46)-1994</td> <td>30</td> <td>100</td> <td>22.7</td> </tr> <tr> <td>9</td> <td>Sulphate (as SO<sub>4</sub>)</td> <td>mg/l</td> <td>IS : 3025 (Part 24)-1986</td> <td>200</td> <td>400</td> <td>13.8</td> </tr> <tr> <td>10</td> <td>Nitrates (as NO<sub>3</sub>)</td> <td>mg/l</td> <td>IS : 3025 (Part 34)-1988</td> <td>45</td> <td>100</td> <td>3.15</td> </tr> <tr> <td>11</td> <td>Fluoride (as F)</td> <td>mg/l</td> <td>IS : 3025 1964</td> <td>1.0</td> <td>1.5</td> <td>0.70</td> </tr> <tr> <td>12</td> <td>Total Alkalinity as (CaCO<sub>3</sub>)</td> <td>mg/l</td> <td>IS : 3025 (Part 23)-1986</td> <td>200</td> <td>600</td> <td>174</td> </tr> <tr> <td>13</td> <td>R. Conductivity at 25°C</td> <td>µs/cm</td> <td>IS : 3025 (Part 14)-1984</td> <td>-</td> <td>-</td> <td>710</td> </tr> <tr> <td>14</td> <td>Total Calcium</td> <td>MPN/100 ml</td> <td>IS : 1622-1981</td> <td>Absent</td> <td>Absent</td> <td>Absent</td> </tr> </tbody> </table> <p>REMARKS: Analysis result shows it below the permissible standard hence that it can be used for drinking purpose.</p> <p>For Enviro Analysts &amp; Engineers Pvt. Ltd.</p>	Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results	Desirable Requirement	Permissible Requirement	1	Turbidity NTU	NTU	IS : 3025 (Part 10)-1984	5	10	0.7	2	pH Value	-	IS : 3025 (Part 11)-1983	6.5 to 8.5	No relaxation	7.55 at 25°C	3	Total Hardness as (CaCO <sub>3</sub> )	mg/l	IS : 3025 (Part 21)-1983	300	600	256	4	Iron (as Fe)	mg/l	IS : 3025 (Part 30)-2004	0.3	1.0	0.10	5	Chlorides (as Cl)	mg/l	IS : 3025 (Part 32)-1988	250	1000	17.3	6	Total Dissolved Solids (TDS)	mg/l	IS : 3025 (Part 16)-1984	500	2000	480	7	Calcium (as Ca)	mg/l	IS : 3025 (Part 40)-1991	75	200	65.0	8	Magnesium (as Mg)	mg/l	IS : 3025 (Part 46)-1994	30	100	22.7	9	Sulphate (as SO <sub>4</sub> )	mg/l	IS : 3025 (Part 24)-1986	200	400	13.8	10	Nitrates (as NO <sub>3</sub> )	mg/l	IS : 3025 (Part 34)-1988	45	100	3.15	11	Fluoride (as F)	mg/l	IS : 3025 1964	1.0	1.5	0.70	12	Total Alkalinity as (CaCO <sub>3</sub> )	mg/l	IS : 3025 (Part 23)-1986	200	600	174	13	R. Conductivity at 25°C	µs/cm	IS : 3025 (Part 14)-1984	-	-	710	14	Total Calcium	MPN/100 ml	IS : 1622-1981	Absent	Absent	Absent
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## Independent Environment, Health, Safety and Social Compliance Audit Report

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