

# CERTIFICATION REPORT

## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

### SITE DETAILS

Site: **Abbott EPO India - Baddi**

Address: Village-Bhatauli Khurd, Sai Road, District- Solan, 173205, Baddi, Himachal Pradesh, INDIA

Contact Person: Arabinda Behera

AWS Reference Number: AWS-000555

Site Structure: Single Site

### CERTIFICATION DETAILS

Certification status: Certified Core

Date of certification decision: 2023-Dec-11

Validity of certificate: 2026-Dec-11

### AUDIT DETAILS

Audited Service(s): AWS Standard v2.0 (2019)

Audit Type(s): Initial Audit

Audit Start Date: 2023-Sep-19

Lead Auditor: Sunil Kumar

Audit team participants:

Amit Singh

Site Participants:

Arabinda Behera, Senior Manager EHS

Meenakshi Sharma, Senior Manager - Site PMO

Suneet Singh, Head of Engineering and Project

Rakesh Kumar, Director - Production

Sudheer Gaur, Head - LVP Production & Engineering

Noopur Pandey, Senior Manager

Amol Metkar, Production manager

Prateek Bagwe, Senior Manager-PPIC

Arati Chouhan, Senior Manager - OE

Sharad Goel, Director - Quality

Madhu Kumar H E, Associate Director Finance

Vikas Chandra, Plant Director

Rajender Pal Saini, Manager- Engg.

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### ADDITIONAL INFO

Summary of Audit Findings: A total of 38 findings were raised during the certification audit, 2 major non-conformities, 28 minor non-conformities and 8 observations.

The Client is requested to perform a root cause analysis and define corrective actions for each of the non-conformities and to submit these to WSAS within 60 days of receipt of the audit report by 22/01/2024.

Minor non-conformities must be closed out by the time of the next annual audit.

The audit team recommends certification Abbott Healthcare Private Limited, Baddi site at Core level pending approval of the corrective actions plans.

#### CLOSURE OF FINDINGS AND CORRECTIVE ACTION PLAN:

The Client has successfully resolved the major non-conformity and submitted the corrective action plan addressing all findings.

Proof of implementation has been requested for the Minors and this will be evaluated during the Surveillance Audit. The client is requested to upload evidence of implementation prior to the Surveillance Audit.

**Scope of Assessment:** The scope of services covers the initial certification audit for assessing conformity of Abbott Healthcare Private Limited, Baddi against the AWS International Water Stewardship Standard Version 2.

Abbott Healthcare Private Limited, located at Village-Bhatauli Khurd, Sai Road, Baddi, Distt- Solan, Himachal Pradesh, India, Pin -173205. Abbot site is spanning over an area of 24 acres and engaged in manufacturing of Tablets, Capsules, Liquids and Large Volume Parenteral (LVP). Plant was started in 2006 and we manufacture 60 products and 166 Stock Keeping Units (SKUs).

The site has water treatment plant of 40 KL per hour and 350 KL per day of ETP-cum-STP. Utilities of the plant include 2 boilers of 5 TPH and 1 boiler of 2 TPH and back up diesel generator of 1250 KVA and 1500 KVA. The treated wastewater is discharged to Common Effluent treatment plant for further treatment and finally discharged to Sirsa River.

The facility is located in the drainage basin of river Sirsa; marked by the presence of alluvial deposits of quaternary age which are deposited in sets of terraces by the river Sirsa and the various seasonal tributaries of the river viz. Local name: Bald Nadi have dissected these deposits into low lying plains/flood plains forward to downstream north-east to south-west direction.

The audit was conducted onsite from 19 to 21 September 2023.

The on site visit included manufacturing facility of the company including water treatment, wastewater treatment and catchment area as part of the audit.

Representatives of the following external stakeholders were interviewed during the audit: HP Pollution Control Board, Jal Shakthi Vibhag, Nearby Industries, Suppliers, contractors and Panchayat President, and Government Primary School.

### FINDINGS

#### NUMBER OF FINDINGS PER LEVEL

<b>Observation</b>	8
<b>Minor</b>	28
<b>Major</b>	2

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### FINDING DETAILS

Finding No:	TNR-006524
Checklist Item No:	1.2.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-22
Checklist item:	Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall: <ul style="list-style-type: none"><li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;</li><li>- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;</li><li>- Provide evidence of stakeholder consultation on water-related interests and challenges;</li><li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;</li><li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li></ul>
Findings:	The identification of stakeholders does not include minority people, vulnerable people and public sector/government development agencies such as HSIIDC, (Haryana State Industrial & Infrastructure development corporation). During the discussion with President of the Panchayat, he indicated that the catchment zone includes minority population.
Corrective action:	During the stakeholder engagement, the site would discuss with relevant authorities including Panchayat President to engage with the minority people, vulnerable people and public sector/government development agencies such as BBNIA (Baddi,Bararatiwala, Nalagargh industry association), etc. to include more relevant stakeholders.

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## Alliance for Water Stewardship (AWS)

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Finding No: TNR-005461  
Checklist Item No: 1.3.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Existing water-related incident response plans shall be identified.  
Findings: Facility's Emergency Response Plan (ERP) does not include all the water-related incidents, such as flooding, droughts, interruption of water supply, failure of critical water or wastewater infrastructure. The site should either evaluate if water is critical to the business, then a Business Continuity Plan, could also cover water-related incidents.  
Corrective action: Water-related incidents, such as flooding, interruption of water supply, failure of critical water or wastewater infrastructure were already included in EPRP & BCP plan. The document for same is uploaded at 1.3.1.  
However, during the next review of document, other relevant water-related incidents, (if any) shall be identified and included in Facility's Emergency Response Plan.

Finding No: TNR-007600  
Checklist Item No: 1.3.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped  
Findings: The site should also identify and map rainfall input and stormwater outflow.  
Corrective action: The estimated rainfall will be identified and included in the site water balance.

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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No: TNR-007602  
Checklist Item No: 1.3.4  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Water quality of the site’s water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.  
Findings: The site should provide test reports on the water quality of incoming water (municipal, on-site/off-site boreholes) and outgoing effluent (after treatment if the site has a WWTP). The annual variance of water quality parameters should be quantified.  
Corrective action: The site has set a frequency of conducting water quality test (4 borewells and drinking water) and treated effluent test on yearly basis. However, the treated effluent is also being monitored by Pollution control board on monthly basis. The annual variance of water quality and treated effluent parameters will be quantified.

Finding No: TNR-006526  
Checklist Item No: 1.3.4  
Status: Open  
Finding level: Observation  
Checklist item: Water quality of the site’s water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.  
Findings: Site has maintained water quality report of 4 borewells and one drinking water point and treated effluent quality . As the stakeholder considers water quality especially high TDS and iron content in some areas as one of the water related challenges, seasonable variation in water quality may be considered. A trend chart to that extent may be considered.  
Corrective action: Trend chart on water quality data will be prepared.

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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No: TNR-006527  
Checklist Item No: 1.3.6  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.  
Findings: Site has identified rainwater recharge structures as on-site important water related area. The condition of the IWRA has been described as good, whereas physical condition shows that they are in dilapidated condition. Status assessment of the IWRA to be revisited and revised.  
Corrective action: The condition of IWRA's at site will be reassessed. Also, the upgradation work for Rainwater recharge structures is under process.

Finding No: TNR-007603  
Checklist Item No: 1.3.7  
Status: In Progress - CA plan approved  
Finding level: Observation  
Checklist item: Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.  
Findings: Site may consider all water related costs such as treatment/chemical cost in the costing calculation.  
Corrective action: The treatment/chemical cost, etc. will be considered while computing the annual water-related costs.

Finding No: TNR-007604  
Checklist Item No: 1.3.8  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Levels of access and adequacy of WASH at the site shall be identified.  
Findings: The site is to provide a breakdown of all WASH facilities onsite and benchmark them against national WASH requirements, if applicable, or another independent standard or guidance.  
Corrective action: The WASH facilities onsite will be benchmarked against national WASH requirements as per Factories Act.

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## Alliance for Water Stewardship (AWS)

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Finding No: TNR-006529  
Checklist Item No: 1.4.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.  
Findings: Site has obtained embedded water use of primary inputs of identified key suppliers. However, the same includes only the quantity of water used, whereas the quality of water is not identified.  
Corrective action: This year, gathering the water quality data of suppliers will be focused along with the water consumption data of suppliers.

Finding No: TNR-006530  
Checklist Item No: 1.4.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.  
Findings: Site has stated that there are no services outsourced within the catchment. It is noted that transport services are from the same catchment, embedded water use for such services may be covered.  
Corrective action: The site will engage with the transport service provider within the catchment and estimate the water used by outsourced transport service provider.

Finding No: TNR-006532  
Checklist Item No: 1.5.6  
Status: Open  
Finding level: Observation  
Checklist item: Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.  
Findings: Consideration may be given to identify the potential exposure to extreme events for the planned water related infrastructure.

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Finding No: TNR-007605  
Checklist Item No: 1.5.6  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.  
Findings: No reference was made to include condition and potential exposure to extreme events. Climate change has increased the probability and risks of extreme events, has this been taken into consideration.  
Corrective action: The condition of water related infrastructures will be assessed along with the potential exposure to extreme events.

Finding No: TNR-007607  
Checklist Item No: 1.6.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Shared water challenges shall be identified and prioritized from the information gathered.  
Findings: Shared water challenges must also be prioritised and site should be able to explain and justify their reasons behind the prioritisation.  
Corrective action: The site will prepare methodology for prioritization of shared water challenges and priorities the shared water challenges.

Finding No: TNR-006534  
Checklist Item No: 1.7.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.  
Findings: Identification of severity and likelihood of water risk for the site is not appropriate, as the non compliance with effluent discharge limit is considered as low, however, an action for upgradation of ETP is noted in place.  
Corrective action: The severity and likelihood of water risks will be reassessed and updated for the effluent discharge and other water risks.



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Finding No: TNR-006535  
Checklist Item No: 1.7.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.  
Findings: Water related opportunities have not been assessed, prioritized for its potential savings and business opportunities.  
Corrective action: The Water related opportunities will be assessed and prioritized for its potential savings and business opportunities.

Finding No: TNR-006536  
Checklist Item No: 1.8.1  
Status: Open  
Finding level: Observation  
Checklist item: Relevant catchment best practice for water governance shall be identified.  
Findings: Site may share best practices on governance such as collaborative programmes with other industry partners, government authorities and Panchayat. Also, what further best practices would be suitable for the catchment. Practices can relate to data sharing, cooperation on studies or developing common plans, public-private partnerships, etc. Identification of best practice should inform the site what it can do to contribute to those practices.

Finding No: TNR-006537  
Checklist Item No: 1.8.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.  
Findings: Although site has given the details of best practices for water balance to reduce water consumption, site has not identified best practice for catchment area. Identification of best practice should inform the site about further water stewardship actions it could implement.  
Corrective action: The site would further engage with relevant authorities and industries in the catchment to identify other best practice for catchment area and develop water stewardship actions to be implemented.

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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No: TNR-007609  
Checklist Item No: 1.8.3  
Status: Closed  
Finding level: Major  
Due date: 2024-Jan-22  
Checklist item: Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.  
Findings: No relevant sector and/or catchment best practice for water quality were identified.  
Corrective action: The relevant sector / catchment best practice for water quality have been identified and are listed below:  
1. Voluntarily conducting Ground Water quality analysis on yearly basis. (There is no legal requirement for this testing)  
2. Voluntarily conducting analysis of treated effluent by site (through third party) on yearly basis and  
3. Analysis of treated effluent by state pollution control board for industries on monthly basis.  
4. An article from NGT(National green tribunal) mentioned about high levels of antibiotic present in local river. Subsequently, site performs antibiotic analysis in plant effluent on yearly basis.  
5. Based on the above analysis, metronidazole parameter found exceeding the limit. Accordingly, upgrading /modification in site's effluent treatment plant have been done.  
6. Segregation of the high TDS & low TDS effluent from source to decrease the load on effluent treatment plant.  
7. CETP (Common effluent treatment plant) real time online data displayed at main plant gate and the same being monitored by pollution control board.  
  
In addition to the above, the site plans to increase the frequency of testing and monitoring by conducting pre and post monsoon analysis of ground water parameters.  
Evidence of implementation: Evidence for mentioned best practice linked to water quality attached in finding no- TRN-007626, Indicator-3.9.3

Finding No: TNR-007610  
Checklist Item No: 1.8.5  
Status: Open  
Finding level: Observation  
Checklist item: Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.  
Findings: The site should provide evidence of practices on the provision of WASH services, that would be considered best practice in the context of their catchment.

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## Alliance for Water Stewardship (AWS)

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Finding No: TNR-006540  
Checklist Item No: 3.1.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Evidence that the site has supported good catchment governance shall be identified.  
Findings: Site has recently started interacting with other industries, government agencies, public sector agencies. Partnership on public and private sectors to develop a good catchment governance is yet to be evolved.  
Corrective action: The site will engage with other industries, government authorities, public sector agencies to develop a good catchment governance.

Finding No: TNR-006541  
Checklist Item No: 3.3.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.  
Findings: Site has plan of 10% reduction in water consumption with respect to the 2022 baseline. Various initiatives defined in water stewardship has not been supported with data to demonstrate how the 10% is going to be achieved. The WS plan should include all activities contributing to the 10% and have the state of progress showing.  
If the site has set water quality targets in the WSP, then evidence should be supplied:  
- that the target is clear on which water bodies or features it applies to, what is the target water quality, and what is the timescale to achieve it;  
- actions implemented towards the target; and  
- data to demonstrate current performance against the target.  
Corrective action: The savings from each initiative will be estimated alongwith the supporting evidence showing the water consumption before and after the implementation.  
The cumulative savings from all the water conservation initiatives shall be tabulated and summarized to compare the actual water reduction achieved against the target.

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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No: TNR-006543  
Checklist Item No: 3.4.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.  
Findings: Antibiotic study has been carried out, it was found that the matronidazole is 157 ug/l whereas the internal standard of the company is 0.13 ug/l/ Site has already upgrading the ETP to meet this standard. Status of progress of implementation to meet the norm to be identified.  
Corrective action: The upgradation of ETP is in progress and expected to be complete by end of financial year 2023-24.  
After completion / upgradation, the sample will be retested for the presence of antibiotic.

Finding No: TNR-007612  
Checklist Item No: 3.6.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.  
Findings: Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite were identified quantified. The site has listed all WASH facilities onsite and it is needed to compare their provision against national regulations or guidelines.  
Corrective action: The WASH facilities onsite will be benchmarked against national WASH requirements as per Factories Act.

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Finding No: TNR-006610  
Checklist Item No: 3.7.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.  
Findings: Although the site has received water use from the suppliers from the site catchment, it has not made any targets for reduction in the water stewardship plan.  
Corrective action: This year, gathering the water quality data of suppliers will be focused along with the water consumption data of suppliers. The water reduction targets will be discussed the suppliers and accordingly indirect water use targets will be set in the water stewardship plan.

Finding No: TNR-007626  
Checklist Item No: 3.9.3  
Status: Closed  
Finding level: Major  
Due date: 2024-Jan-22  
Checklist item: Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.  
Findings: The site did not provided proof that it is implementing the best practices linked to water quality, taking into account the ones that were indicated in 1.8.3.  
Corrective action: The following evidences are provided for the implementation of identified best practices:  
1. Ground Water quality analysis on yearly basis  
2. Treated effluent by site on yearly basis  
3. Analysis of treated effluent by state pollution control board for industries on monthly basis.  
4. Segregation of the high TDS & low TDS effluent from source to decrease the load on effluent treatment plant.  
5. CETP (Common effluent treatment plant) real time online data displayed at main plant gate and the same being monitored by pollution control board.

Evidence of implementation: Following evidences are attached-  
1. Ground Water quality analysis on yearly basis  
2. Treated effluent by site on yearly basis  
3. Analysis of treated effluent by state pollution control board for industries on monthly basis.  
4. Segregation of the high TDS & low TDS effluent from source to decrease the load on effluent treatment plant.  
5. CETP (Common effluent treatment plant) real time online data displayed at main plant gate and the same being monitored by pollution control board.  
6. CETP discharge parameter standard.

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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No:	TNR-007576
Checklist Item No:	3.9.4
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-22
Checklist item:	Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.
Findings:	Site has listed out the best practice of site maintenance of IWRAs. However, these are not practiced for the site or the catchment, no plan has also been prepared for the implementation.
Corrective action:	The site will engage with the relevant authorities and stakeholders to identify more relevant best practices for the catchment and prepare a plan for implementation of same.
Finding No:	TNR-006617
Checklist Item No:	3.9.4
Status:	Open
Finding level:	Observation
Checklist item:	Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.
Findings:	Site's IWRA the rainwater harvesting structures are in poor condition, however, the status is identified as good. A plan for improving the conditions of RWH structure is in place.
Corrective action:	The condition of IWRA's at site will be reassessed. Also, the upgradation work for Rainwater recharge structures is under process. This status of same will be updated soon along with photographic evidence.
Finding No:	TNR-007623
Checklist Item No:	4.1.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-22
Checklist item:	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.
Findings:	Being the first year of certification, no detailed review done, which is planned in this year end. A format for review is available as in AWS Baddi plan rev 2. Table 13.
Corrective action:	Based on the detailed review of water stewardship plan, the performance of the site will be evaluated against each target and the revised targets will be set in the water .

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Finding No: TNR-007624  
Checklist Item No: 4.1.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Value creation resulting from the water stewardship plan shall be evaluated.  
Findings: Since it is the first certification year, no value creation resulting from the water stewardship plan was evaluated.  
Corrective action: Based on the detailed review of water stewardship plan, value creation resulting from the water stewardship plan will be evaluated.

Finding No: TNR-006615  
Checklist Item No: 4.1.3  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: The shared value benefits in the catchment shall be identified and where applicable, quantified.  
Findings: Being the first cycle of audit, the evaluation of shared value benefits will be identified and quantified at a later stage, after completion of the each project as per Table 11.  
Corrective action: Based on the detailed review of water stewardship plan, the shared value benefits in the catchment will be identified.

Finding No: TNR-006612  
Checklist Item No: 4.2.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.  
Findings: The site is yet to carry out an annual review and root cause analysis of the current year's environmental incidents. This should be followed with corrective and preventive actions.  
Corrective action: Based on the review of water related emergency incidents, if any water related incident has occurred - a detailed root-cause analysis will be performed. Accordingly, corrective action plan will be prepared to avoid any future incidents.

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Finding No: TNR-006613  
Checklist Item No: 4.3.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.  
Findings: Site has carried out only one round of engagement with stakeholders. They need to carry out effectiveness of their efforts in this engagement process, especially in enhancing the water stewardship performance.  
Corrective action: The site has a plan to engage more frequently with the stakeholders and obtain inputs on the water stewardship performance of the site.

Finding No: TNR-007045  
Checklist Item No: 5.2.1  
Status: Open  
Finding level: Observation  
Checklist item: The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.  
Findings: Site is yet to share their water stewardship plan with stakeholders. This was further confirmed during the interactions with stakeholders .  
Corrective action: The Water Stewardship plan will be shared with the relevant stakeholders to seek their inputs / feedbacks on the targets set in the water stewardship plan.

Finding No: TNR-007047  
Checklist Item No: 5.3.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.  
Findings: Although site mentioned that sustainability report of Abbott published by the Corporate annually covers the site performance, there was no evidence to demonstrate site's participation.  
Corrective action: The same will be discussed with the corporate team to disclose water stewardship performance of site in the annual sustainability report.



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## Alliance for Water Stewardship (AWS)

Audit Number: AO-000684

Finding No: TNR-007625  
Checklist Item No: 5.4.1  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.  
Findings: The common water-related issues at the site and the steps taken to resolve them must be made public. The website needs to list the issues it faces with water (in line with 1.6.1) and explain the steps and initiatives it has taken.  
Corrective action: The water-related issues and efforts taken to address these challenges will be disclosed in such a manner to cover the stakeholders and is publicly available.

Finding No: TNR-006616  
Checklist Item No: 5.4.2  
Status: Open  
Finding level: Observation  
Checklist item: Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.  
Findings: Site may also consider to engage with HSIIDC in respect of water related infrastructure development.  
Corrective action: The site will engage with Baddi Barotiwala Nalagarh Development Association in respect of water related infrastructure development in the catchment.

Finding No: TNR-007030  
Checklist Item No: 5.5.2  
Status: In Progress - CA plan approved  
Finding level: Minor  
Due date: 2024-Nov-22  
Checklist item: Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.  
Findings: The legal non compliance with respect to HP Ground Water Rules, although plan is in place, communication to the regulatory body is yet to be done.  
Corrective action: The water abstraction details along with operating hours of borewells will be communicated with the regulatory body. The borewell operating staff have been informed to monitor the operation of borewells to avoid operation of more than 1 borewell at a time.

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## Alliance for Water Stewardship (AWS)



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Finding No:	TNR-006614
Checklist Item No:	5.5.1
Status:	In Progress - CA plan approved
Finding level:	Minor
Due date:	2024-Nov-22
Checklist item:	Any site water-related compliance violations and associated corrections shall be disclosed.
Findings:	During this audit, the team has identified non compliance with respect of use of 2 borewells at a time, against the HP ground water act. A corrective action plan is available, however implementation to be verified.
Corrective action:	The borewell operating staff have been informed to continuously monitor the operation of borewells to avoid operation of more than 1 borewell at a time.

# CERTIFICATION REPORT

## Alliance for Water Stewardship (AWS)

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### Report Details

Report	Value
Report prepared by	Sunil Kumar
Report approved by	Lurdes Guerra
Report approved on (Date)	22/11/2023

### Surveillance

**Proposed date for next audit**  
2024-Sep-19

### Stakeholder Announcements

Date of publication	Location
21/08/2023	Local Newspaper, Baddi
21/08/2023	Website of Abbott
24/07/2023	<a href="https://a4ws.org/wp-content/uploads/2023/07/AWS-000555-Stakeholder-Announcement-Abbott-EPO-India-Baddi.pdf">https://a4ws.org/wp-content/uploads/2023/07/AWS-000555-Stakeholder-Announcement-Abbott-EPO-India-Baddi.pdf</a>
21/07/2023	<a href="https://watersas.org/wp-content/uploads/2023/07/AWS-000555-Stakeholder-Announcement.pdf">https://watersas.org/wp-content/uploads/2023/07/AWS-000555-Stakeholder-Announcement.pdf</a>
Comment	Stakeholder announcements have been as indicated below.
Comment	Announcement for stakeholder interaction was done in the local newspaper, AWS website and company website. In addition, individual request letters for identified stakeholders from regulatory agency, community, supplier, contractor and supplier and nearby industry were also sent by email. Link for public announcement in the Abbott website - <a href="https://dam.abbott.com/en-us/documents/pdfs/transparency/Abbott-India-Baddi-Public-Stakeholder-Announcement.pdf">https://dam.abbott.com/en-us/documents/pdfs/transparency/Abbott-India-Baddi-Public-Stakeholder-Announcement.pdf</a> .

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### Catchment Information

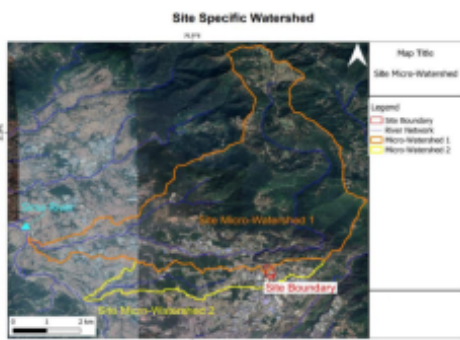
#### Catchment Information

The area lies in the drainage basin of river Sirsa; marked by the presence of alluvial deposits of quaternary age which are deposited in sets of terraces by the river Sirsa and the various seasonal tributaries of the river viz. Local name: Bald Nadi, Ratta Nadi have dissected these deposits into low lying plains/flood plains forward to downstream north-east to south-west direction. The valley fill deposits along the cutting of the tributaries includes thick clays with beds of gravel, sand, and clay. The depth to water table in the area is variable and is higher during the post monsoon period. Inter-granular pore spaces in the sedimentary formations and secondary fissured porosity in hard rocks, topographical set up coupled with precipitation in the form of rain, mainly govern occurrence and movement of ground water.

The Site abstract water through pump from four on-Site borewells. There are no water service providers and the entire water is drawn from the underground water regime, for which site has not assessed impact area to define the catchment. The treated wastewater from the site is directed to the common effluent treatment plant, the treated effluent from the CETP is discharged to the Sirsa river. The Site is falling into the Sirsa River watershed. Based on the local drainage pattern with respect to the Site, the Sirsa River watershed has been further broken down into two (2) Site-specific micro watersheds named as micro-watershed 1 (marked with orange boundary) and micro-watershed 2 (marked with yellow boundary).

**Sirsa River watershed:** The watershed area of the Sirsa River admeasures to 699.351 sq. km. The surface flow direction is along the south-east to north-west vector. **Site-specific micro-watershed 1:** The Site is located in the lower reaches of the Site-specific micro-watershed 1. The watershed admeasures to 32.99 sq. km and is part of the larger Sirsa River basin.

**Site-specific micro watershed 2:** This admeasures to 5.05 sq. km and is part of the Balad River watershed which is a part of the larger Sirsa River basin. The Site consider as primary catchment area. This catchment zone does not consider the underground water regime from where water is drawn by the site.

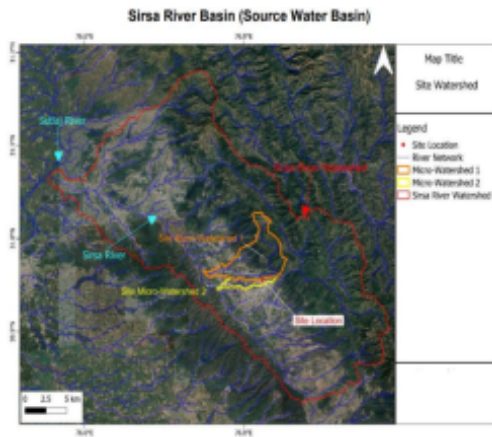


site watershed.png

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Sirsa river basin.png



Solan district map.png

**Comment**      Site considers the vast area of watershed in the Sirsa river considering only the impacts of treated effluent, however, the water withdrawal zone mainly from the aquifer has not been considered in the catchment area. Please refer sect 1.1.1 of the attached AWS standard plan Ver 2 ,September 2023

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## Alliance for Water Stewardship (AWS)

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### Client Description and Site Details

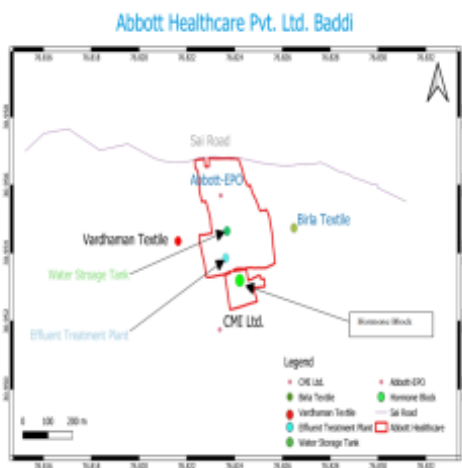
#### Client/Site Background

M/s Abbott Healthcare Private Limited, located at Village-Bhatauli Khurd, Sai Road, Baddi, Distt- Solan, Himachal Pradesh, India, Pin -173205. Abbot site is spanning over an area of 24 acres. Abbott Baddi facility is engaged in manufacturing of Tablets, Capsules, Liquids and Large Volume Parenteral (LVP). Plant was started in 2006 and we manufacture 60 products and 166 Stock Keeping Units (SKUs).

The site has water treatment plants of 40 KL per hour and 350 KL per day of ETP-cum-STP. Utilities of the plant include 2 boilers of 5 TPH and 1 boiler of 2 TPH and back up diesel generator of 1250 KvA and 1500 KvA. The treated wastewater is discharged to Common Effluent treatment plant through pipeline. The site fully depends on 4 nos of the borewells located within the factory premises. The site has implemented rainwater harvesting system covering all the roof top, however, the conditions of the structure are not satisfactory and the site plans to revamp the RWH.



site\_abbott.png



abbott healthcare baddi.png




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**Summary of Shared Water Challenges**

**Summary of Shared Water Challenges**

The site is in the safe zone as per the water assessment report by the Ground water authorities. However, there are several feedbacks from the stakeholders that water scarcity could be a significant risk as there is significant growth of industries and population in the region in near future. In addition, water quality is an issue as per several water users such as community, panchayat authorities and school teachers, due to high TDS and higher iron in some parts. Since the catchment zone is at the downhill, there were severe damage occurred near the river shore recently. There is high likelihood of number of such extreme events going up in future, as expressed by some of the stakeholders.

**0.1 General Requirements for Single Sites, Multi-Sites and Groups**

<b>0.1.1</b>	<i>Eligibility Criteria</i>	
<b>0.1.1.1</b>	<i>The site(s) occupy one catchment OR an exception has been granted.</i>	 Yes
Comment	The site(s) occupy one catchment.	
<b>0.1.1.2</b>	<i>The scope of the proposed certification shall be under the control of a single management system.</i>	 Yes
Comment	The scope of the proposed certification is under the control of a single management system.	
<b>0.1.1.3</b>	<i>The scope of the proposed certification shall be homogeneous with respect to primary production system, water management, product or service range, and the main market structures.</i>	 Yes
Comment	The scope of the proposed certification is homogeneous with respect to primary production system, water management, product or service range, and the main market structures.	

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1 STEP 1: GATHER AND UNDERSTAND	
1.1	<i>Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.</i>
1.1.1	<p><i>The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</i></p> <ul style="list-style-type: none"> <li>- Site boundaries;</li> <li>- Water-related infrastructure, including piping network, owned or managed by the site or its parent organization;</li> <li>- Any water sources providing water to the site that are owned or managed by the site or its parent organization;</li> <li>- Water service provider (if applicable) and its ultimate water source;</li> <li>- Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies;</li> <li>- Catchment(s) that the site affect(s) and is reliant upon for water.</li> </ul>
Comment	<p>The AWS standard plan version 2, September 2023 is not complete in respect of mapping of waste water discharge points, storm drain outlets, storm drain to RWH to CETP discharge point. In addition, the basis for identification of catchment area does not consider aquifer zone where the site withdraws the entire water for their operations. .</p> <p style="text-align: right;"><b>Finding No: TNR-006224</b></p>
1.2	<i>Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.</i>
1.2.1	<p><i>Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified. This process shall:</i></p> <ul style="list-style-type: none"> <li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;</li> <li>- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies;</li> <li>- Provide evidence of stakeholder consultation on water-related interests and challenges;</li> <li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups;</li> <li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li> </ul>
Comment	<p>The AWS standard plan version 2, sept 2023, Manual section 1.2.1 covers the process on stakeholder identification and engagement. It covers government agencies such as Pollution control board, Baddi Infrastructure, communities, employees, nearby industries, suppliers, Panchayat. However, the same is complete in respect of Indigenous people, minority people, vulnerable people and other public sector/government development agencies such as HSIIDC, (Haryana State Industrial &amp; Infrastructure development corporation).</p> <p style="text-align: right;"><b>Finding No: TNR-006524</b></p>
1.2.2	<p><i>Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.</i></p>
Comment	<p>The AWS standard plan version 2, sept 2023, Manual section 1.2.2 covers the potential degree of influence between site and stakeholder considering the sites catchment area.</p>



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## Alliance for Water Stewardship (AWS)

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<b>1.3</b>	<i>Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</i>	
<b>1.3.1</b>	<i>Existing water-related incident response plans shall be identified.</i>	 in progress
Comment	Various emergency scenarios have been identified in the site emergency preparedness plan and other procedures as attached.  <p style="text-align: right;"><b>Finding No: TNR-005461</b></p>	
<b>1.3.2</b>	<i>Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped</i>	 in progress
Comment	Site water balance identified and mapped all inflows such as fire fighting water, water for boilers, processes and domestic, losses in the system and on -site recycling/reusing, wastewater discharges in each process/sections. The site should also identify and map rainfall input and stormwater outflow.  <p style="text-align: right;"><b>Finding No: TNR-007600</b></p>	
<b>1.3.3</b>	<i>Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.</i>	 Yes
Comment	Site has quantified inflows such as fire fighting water, water for boilers, processes and domestic, losses in the system and wastewater discharges in each process/sections. The site must quantify their water balance, usually based on year's worth of water use and wastewater data, so they can demonstrate any annual variance in water use rates. At this point only estimations were presented, quarterly.	
<b>1.3.4</b>	<i>Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be quantified.</i>	 No
Comment	Site has maintained water quality report of 4 borewells and one drinking water point and treated effluent quality test reports, however seasonable variation in water quality may be considered. The site should provide test reports on the water quality of incoming water (municipal, on-site/off-site boreholes) and outgoing effluent (after treatment if the site has a WWTP). The annual variance of water quality parameters should be quantified.  <p style="text-align: right;"><b>Finding No: TNR-006526</b> <b>Finding No: TNR-007602</b></p>	
<b>1.3.5</b>	<i>Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.</i>	 Yes
Comment	Potential sources of pollution have been identified and mapped.	
<b>1.3.6</b>	<i>On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.</i>	 in progress
Comment	Site has identified rainwater recharge structures as on-site important water related areas. The condition of the same has been described as good, whereas physical condition shows they are dilapidated condition. Status assessment of the IWRA to be revisited and revised.  <p style="text-align: right;"><b>Finding No: TNR-006527</b></p>	

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<b>1.3.7</b>	<i>Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.</i>	🔍 Obs.
Comment	Annual water related cost were compiled.	
<b>1.3.8</b>	<i>Levels of access and adequacy of WASH at the site shall be identified.</i>	🚩 No
Comment	Details on access and adequacy of WASH at site were given. The site is to provide a breakdown of all WASH facilities onsite and benchmark them against national WASH requirements, if applicable, or another independent standard or guidance. <b>Finding No: TNR-007604</b>	
<b>1.4</b>	<i>Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</i>	
<b>1.4.1</b>	<i>The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be identified.</i>	🚩 in progress
Comment	Site has made efforts to obtain the embedded water of primary inputs. <b>Finding No: TNR-006529</b>	
<b>1.4.2</b>	<i>The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.</i>	🚩 in progress
Comment	Site has stated there are no outsourced services within the same catchment. However, transport services are from the same catchment, they may be considered. <b>Finding No: TNR-006530</b>	
<b>1.5</b>	<i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i>	
<b>1.5.1</b>	<i>Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.</i>	✅ Yes
Comment	Baddi plan sheet rev 2, section 6.1 covers this requirement. The site has identified and compiled a list of relevant water governance policies, plans, frameworks and institutions that affect the site, and summarised the main elements of those initiatives. The site clearly demonstrates how knowing about such projects informs their ability's to support or cooperate with those activities.	
<b>1.5.2</b>	<i>Applicable water-related legal and regulatory requirements shall be identified, including legally-defined and/or stakeholder-verified customary water rights.</i>	✅ Yes
Comment	List of applicable water related legal and requirements was compiled by the site.	
<b>1.5.3</b>	<i>The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.</i>	✅ Yes
Comment	AWS standard plan version 2, September 2023 section 1.5.3 includes this requirement.	

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<b>1.5.4</b>	<i>Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be identified.</i>	 Yes
Comment	WS standard plan version 2, September 2023 section 1.5.4 addresses this requirement.	
<b>1.5.5</b>	<i>Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.</i>	 Yes
Comment	Listed in 6.3 of AWS Baddi plan sheet rev 2	
<b>1.5.6</b>	<i>Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.</i>	 in progress
Comment	AWS Standard plan version 2, September 2023 covers this aspect. Existing and planned water-related infrastructure were identified by the site but no reference was made to include condition and potential exposure to extreme events. Climate change has increased the probability and risks of extreme events, has this been taken into consideration. <b>Finding No: TNR-007605</b> <b>Finding No: TNR-006532</b>	
<b>1.5.7</b>	<i>The adequacy of available WASH services within the catchment shall be identified.</i>	 Yes
Comment	Section 1.5.7 of the AWS standard plan rev 2 September 2023 covers this indicator.	
<b>1.6</b>	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>	
<b>1.6.1</b>	<i>Shared water challenges shall be identified and prioritized from the information gathered.</i>	 in progress
Comment	Shared water challenges are identified by the site. The challenges must also be prioritised and site should be able to explain and justify their reasons behind the prioritisation. <b>Finding No: TNR-007607</b>	
<b>1.6.2</b>	<i>Initiatives to address shared water challenges shall be identified.</i>	 Yes
Comment	Table 14 of AWS Baddi plan sheet rev 02 covered the initiatives conducted by the site to address identified shared water challenges.	
<b>1.7</b>	<i>Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.</i>	
<b>1.7.1</b>	<i>Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.</i>	 in progress
Comment	Table 9.1 of Baddi AWS plan rev 02 <b>Finding No: TNR-006534</b>	
<b>1.7.2</b>	<i>Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.</i>	 in progress

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Comment	Table 8.1 of Baddi AWS plan rev 02 addresses this requirement. However, the prioritization of savings and business opportunities may need to be carried out.	<b>Finding No: TNR-006535</b>
<b>1.8</b>	<i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i>	
<b>1.8.1</b>	<i>Relevant catchment best practice for water governance shall be identified.</i>	 No
Comment	Table 6.2 of Baddi AWS plan rev 02 includes this.	<b>Finding No: TNR-006536</b>
<b>1.8.2</b>	<i>Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.</i>	 No
Comment	Table 6.2 of Baddi AWS plan rev 02 includes this. Identification of best practice should inform the site about further water stewardship actions it could implement.	<b>Finding No: TNR-006537</b>
<b>1.8.3</b>	<i>Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.</i>	 No
Comment	No relevant sector and/or catchment best practice for water quality were identified.	<b>Finding No: TNR-007609</b>
<b>1.8.4</b>	<i>Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.</i>	 Yes
Comment	Table 6.2 of Baddi AWS plan rev 02 includes this. The site has listed possible Best Practice for the catchment IWRAs.	
<b>1.8.5</b>	<i>Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.</i>	 Obs.
Comment	Table 6.2 of Baddi AWS plan rev 02 includes this.	


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2 STEP 2: COMMIT & PLAN - Commit to be a responsible water steward and develop a Water Stewardship Plan	
2.1	<i>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</i>
2.1.1	<p><i>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</i></p> <ul style="list-style-type: none"> <li>- <i>That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</i></li> <li>- <i>That the site implementation will be aligned to and in support of existing catchment sustainability plans</i></li> <li>- <i>That the site's stakeholders will be engaged in an open and transparent way</i></li> <li>- <i>That the site will allocate resources to implement the Standard.</i></li> </ul>
Comment	Publicly disclosed signed commitment to water stewardship is available.
2.2	<i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i>
2.2.1	<p><i>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</i></p> <ul style="list-style-type: none"> <li>- <i>Identification of responsible persons/positions within facility organizational structure</i></li> <li>- <i>Process for submissions to regulatory agencies.</i></li> </ul>
Comment	Section 2.2.2 of AWS plan document version 2 September 2023
2.3	<i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i>
2.3.1	<p><i>A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</i></p>
Comment	AWS Baddi plan rev 02 addresses this indicator.
2.3.2	<p><i>A water stewardship plan shall be identified, including for each target:</i></p> <ul style="list-style-type: none"> <li>- <i>How it will be measured and monitored</i></li> <li>- <i>Actions to achieve and maintain (or exceed) it</i></li> <li>- <i>Planned timeframes to achieve it</i></li> <li>- <i>Financial budgets allocated for actions</i></li> <li>- <i>Positions of persons responsible for actions and achieving targets</i></li> <li>- <i>Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.</i></li> </ul>
Comment	AWS Baddi plan rev 02 addresses this indicator.
2.4	<i>Demonstrate the site's responsiveness and resilience to respond to water risks</i>

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<b>2.4.1</b>	<i>A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.</i>	 Yes
Comment	Corporate level Water Stewardship management practices, emergency preparedness plans and business continuity plans are provided.	

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3 STEP 3: IMPLEMENT - Implement the site's stewardship plan and improve impacts		
3.1	Implement plan to participate positively in catchment governance.	
3.1.1	Evidence that the site has supported good catchment governance shall be identified.	 in progress
Comment	Site has initiated activities for good catchment governance	<b>Finding No: TNR-006540</b>
3.1.2	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.	 Yes
Comment	Site included in the plan that there is no water rights for indigenous people as per Indian legislation.	
3.2	Implement system to comply with water-related legal and regulatory requirements and respect water rights.	
3.2.1	A process to verify full legal and regulatory compliance shall be implemented.	 Yes
Comment	Table 9 of the AWS Baddi plan rev 02 to verify full legal and regulatory compliance was implemented.	
3.2.2	Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.	 N/A
3.3	Implement plan to achieve site water balance targets.	
3.3.1	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.	 Yes
Comment	Section 3.3.1 of AWS standard plan version 2, September address this.	
3.3.2	Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.	 in progress
Comment	Site has plan of 10% reduction in water consumption with respect to the 2022 baseline. Various initiatives defined in water stewardship has not been supported with data to demonstrate how the 10% is going to be achieved. The WS plan should include all activities contributing to the 10% and have the state of progress showing. If the site has set water quality targets in the WSP, then evidence should be supplied: - that the target is clear on which water bodies or features it applies to, what is the target water quality, and what is the timescale to achieve it; - actions implemented towards the target; and - data to demonstrate current performance against the target.	<b>Finding No: TNR-006541</b>
3.3.3	Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be identified.	 N/A
Comment	Allocation of water to social, cultural and environmental needs is not applicable.	

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<b>3.4</b>	<i>Implement plan to achieve site water quality targets</i>	
<b>3.4.1</b>	<i>Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.</i>	 in progress
Comment	Status of progress towards meeting water quality targets set in the water stewardship plan were identified. Nevertheless, actions towards meeting the target could be improved and can include: introducing or improving operational control measures aimed at reducing load of certain substances to wastewater; improving control of wastewater pre-treatment or or catchment level at earlier stages it could be studies or data collection. <p style="text-align: right;"><b>Finding No: TNR-006543</b></p>	
<b>3.4.2</b>	<i>Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.</i>	 Yes
Comment	Continual improvement to achieve best practice for the site's effluent is a concern for the site. An antibiotic study has been carried out, considering the need to improve water quality.	
<b>3.5</b>	<i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i>	
<b>3.5.1</b>	<i>Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.</i>	 Yes
Comment	Site has plan to upgrade the IWRA, as per Table 10 water stewardship plan, these projects have not yet been fully implemented.	
<b>3.6</b>	<i>Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.</i>	
<b>3.6.1</b>	<i>Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.</i>	 in progress
Comment	Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite were identified quantified. The site has listed all WASH facilities onsite and it is needed to compare their provision against national regulations or guidelines. <p style="text-align: right;"><b>Finding No: TNR-007612</b></p>	
<b>3.6.2</b>	<i>Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.</i>	 Yes
Comment	Site confirmed that there is no complaints from local communities in this respect.	
<b>3.7</b>	<i>Implement plan to maintain or improve indirect water use within the catchment:</i>	
<b>3.7.1</b>	<i>Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.</i>	 in progress
Comment	Data on indirect water use has been compiled. However, target is yet to be set. <p style="text-align: right;"><b>Finding No: TNR-006610</b></p>	



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<b>3.7.2</b>	<i>Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.</i>	 Yes
Comment	Evidences of interactions with suppliers are available.	
<b>3.8</b>	<i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.</i>	
<b>3.8.1</b>	<i>Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.</i>	 Yes
Comment	Evidence of engagement, and the key messages relayed with confirmation of receipt were presented by the site and identified. Compliance was cross-checked by interviewing stakeholders.	
<b>3.9</b>	<i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i>	
<b>3.9.1</b>	<i>Actions towards achieving best practice, related to water governance, as applicable, shall be implemented.</i>	 Yes
Comment	The site provided proof that it is implementing the best practices linked to water governance, taking into account the ones that were indicated in 1.8.1.	
<b>3.9.2</b>	<i>Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.</i>	 Yes
Comment	Noted in place and also the site provided proof that it is implementing the best practices linked to water balance, taking into account the ones that were indicated in 1.8.2.	
<b>3.9.3</b>	<i>Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.</i>	 No
Comment	The site did not provided proof that it is implementing the best practices linked to water quality, taking into account the ones that were indicated in 1.8.3. <b>Finding No: TNR-007626</b>	
<b>3.9.4</b>	<i>Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.</i>	 No
Comment	The site provided proof that it is implementing the best practices linked to IWRA, taking into account the ones that were indicated in 1.8.4. <b>Finding No: TNR-006617</b> <b>Finding No: TNR-007576</b>	
<b>3.9.5</b>	<i>Actions towards achieving best practice related to targets in terms of WASH shall be implemented.</i>	 Yes
Comment	Noted in practice and also the site provided proof that it is implementing the best practices linked to WASH, taking into account the ones that were indicated in 1.8.5.	

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4 STEP 4: EVALUATE - Evaluate the site's performance.	
4.1	<i>Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</i>
4.1.1	<i>Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated.</i>
Comment	Being the first year of certification, no detailed review done, which is planned in this year end. A format for review is available as in AWS Baddi plan rev 2. Table 13. <b>Finding No: TNR-007623</b>
4.1.2	<i>Value creation resulting from the water stewardship plan shall be evaluated.</i>
Comment	Linked with 4.1.1. Since it is the first certification year, no value creation resulting from the water stewardship plan was evaluated. <b>Finding No: TNR-007624</b>
4.1.3	<i>The shared value benefits in the catchment shall be identified and where applicable, quantified.</i>
Comment	Being the first cycle of audit, the evaluation of shared value benefits will be identified and quantified at a later stage, after completion of the each project as per Table 11. <b>Finding No: TNR-006615</b>
4.2	<i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i>
4.2.1	<i>A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.</i>
Comment	The site is yet to carry out an annual review and root cause analysis of the current year's environmental incidents. This should be followed with corrective and preventive actions. <b>Finding No: TNR-006612</b>
4.3	<i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i>
4.3.1	<i>Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.</i>
Comment	Site has carried out only one round of interactions with stakeholders. <b>Finding No: TNR-006613</b>
4.4	<i>Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.</i>
4.4.1	<i>The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be identified.</i>
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Comment      Site has mentioned that the water stewardship plan shall be modified and adapted to incorporate relevant information and lessons in the next year. Since this is the first certification year, no modifications took place.

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5 STEP 5: COMMUNICATE & DISCLOSE - Communicate about water stewardship and disclose the site's stewardship efforts	
5.1	<i>Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.</i>
5.1.1	<i>The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.</i> <span style="float: right;">✔ Yes</span>
Comment	The positions of individuals responsible for ensuring adherence to water-related rules and regulations, as well as the site's internal governance concerning water, were made public like consulted in the AWS Standard plan sept 2023, ver 2.0.
5.2	<i>Communicate the water stewardship plan with relevant stakeholders.</i>
5.2.1	<i>The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.</i> <span style="float: right;">✘ No</span>
Comment	Site is yet to share their water stewardship plan with stakeholders. This was further confirmed during the interactions with stakeholders . <b>Finding No: TNR-007045</b>
5.3	<i>Disclose annual site water stewardship summary, including: the relevant information about the site's annual water stewardship performance and results against the site's targets.</i>
5.3.1	<i>A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.</i> <span style="float: right;">➔ in progress</span>
Comment	Site has indicated that this is part of the sustainability report being published by the Corporate, however evidences could not be demonstrated. <b>Finding No: TNR-007047</b>
5.4	<i>Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.</i>
5.4.1	<i>The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.</i> <span style="float: right;">➔ in progress</span>
Comment	The common water-related issues at the site and the steps taken to resolve them must be made public. The website needs to list the issues it faces with water (in line with 1.6.1) and explain the steps and initiatives it has taken. <b>Finding No: TNR-007625</b>
5.4.2	<i>Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.</i> <span style="float: right;">✘ No</span>
Comment	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies were identified in their AWS plan. Although, site may also consider to engage with HSIIDC in respect of water related infrastructure development. <b>Finding No: TNR-006616</b>
5.5	<i>Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</i>

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**5.5.1** *Any site water-related compliance violations and associated corrections shall be disclosed.* in progress 


Comment: During this audit, the team has identified non compliance with respect of use of 2 borewells at a time, against the HP ground water act. A corrective action plan is available, however implementation to be verified.

**Finding No: TNR-006614**

**5.5.2** *Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.* in progress 

Comment: Communication on the above non compliance to the HP Ground Water Board to revise the conditions of the permit to be done.

**Finding No: TNR-007030**

**5.5.3** *Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.* Yes 

Comment: No such instance reported.

**Photographic Evidence from Audit**

Yes 