

Six Monthly Environmental Compliance Report of Conditions of Environmental Clearance

(April 2019 to September 2019)

FOR

M/s Boudh Distillery Pvt Ltd

At

**Village: Ramvikata, Po-Titerikata,
Tehsil: Harbhanga, Dist: Boudh, Odisha, Pin-762024**

For Submission to:

Ministry of Environment, Forest & Climate Change (MoEF & CC)

Regional Office (Eastern Zone), A/3, Chandrasekharpur,

Bhubaneswar-751023

Submitted by:

Boudh Distillery Pvt Ltd

November-2019



To

Date: 4th November 2019

The Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest & Climate Change, Govt. of India,
Eastern Regional Office, A/3, Chandrasekharpur,
Bhubaneswar-751023

Sub: Submission of Six-Monthly Environmental Compliance Status Report M/s
Boudh Distillery Pvt Ltd for the period April-2019 to September-2019.

Ref: Letter no.J-11011/160/2015-I A II (I) dated 28th October 2016.

Dear Sir,

With reference to the above subject we are hereby submitting six monthly compliance report as per the conditions stipulated in the Environment Clearance issued by Ministry of Environment, Forest & Climate Change, vide letter no. J-11011/160/2015-I A II (I) dated 28th October 2016 for Grain Based Distillery plant (2*60 KLPD) along with Cogeneration Power Plant (2*2.5 MW) to Boudh Distillery Pvt. Ltd., at Village Titerikata, Post Ramvikata, Tehsil Harabhanga, District Boudh, Odisha.

Our Project will be implemented in two phases:

Phase 1: 60 KLPD and 2.5 MW Captive Power Plant (Fully Commissioned)

Phase 2: 60 KLPD and 2.5MW Captive Power Plant, (Future Plan)

Requesting you to accept the report.

With Regards

For Boudh Distillery Private Limited

Sangram Parhi
04-11-2019

Sangram Parhi

Authorised Signatory

Copy to: State Pollution Control Board, Bhubaneswar

Regional Office, State Pollution Control Board,
Modipara, Sambalpur



Received
M. Tanaji
04/11/19

M. Tanaji
Private Secretary
Govt. of India
Ministry of Env., Forests & CC
ERO, Boudh Distillery, 751023

BOUDH DISTILLERY PVT. LTD.

Head Office: Plot No- C - 84, Palashpalli, Airport Area, Bhubaneswar - 751020, India, Contact: +91-674-2593590

Plant: Titerikata, PO-Ramvikata, Tehsil-Harabhanga, Dist.-Boudh - 762024, Odisha, India, Contact: +91-6841-222100

Regd. Office: Gunjan Apartments 11, Palm Avenue, Flat 1C Ballygunge, Kolkata-700019, India, CIN: U15311WB2008PTC131544

☎ www.boudhdistillery.com ✉ info@boudhdistillery.com


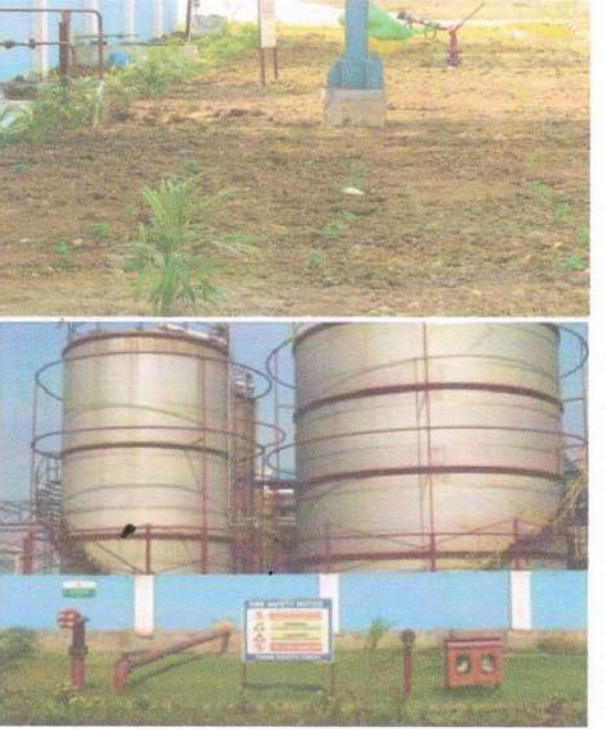
Compliance to the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest & Climate Change vide letter no. J-11011/160/2015-IA II (I) dated 28th October 2016 for Grain Based Distillery plant (2 x 60 KLPD) along with Cogeneration Power plant (2 x 2.5 MW) to Boudh Distillery Pvt. Ltd., at Village Titerikata, Post Ramvikata, Tehsil Harabhangra, District Boudh, Orissa

A. SPECIFIC CONDITIONS

Period of Report: April'2019 to September'2019

S.No.	Specific Conditions	Compliance
i.	ESP along with stack of adequate height shall be provided to coal/biomass fired boiler to control particulate emission within 50 mg/Nm ³ .	We do here by confirm that ESP having 04 nos. field along with stack of 45 m to Coal / Biomass fired boiler has been provided to control Particulate Emission within 50 mg/Nm ³
ii.	Total fresh water requirement of 1200 m ³ /day will be met from Mahanadi water supply. No groundwater shall be extracted.	We do here by confirm that total fresh water requirement of 1200 m ³ /day will be met from Mahanadi river only. We also confirm that no groundwater will be used for process purposes.
iii.	Spent wash generation from grain-based distillery shall not exceed 6 Kl/Kl of alcohol. Spent wash shall be treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS will be sent to dryer to form DDGS. The condensate, spent lees and utilities effluent shall be treated in the ETP comprising tertiary treatment. Treated effluent will be used for make-up water of cooling towers and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.	Noted and being Complied. The spent wash generation from distillery is also 6 Kl/KL of alcohol. Spent wash is passing through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DDGS is getting from DWGS after passing through Dryer. The condensate & lees are also recycled and again sent back to process. Treated effluent from ETP is used as M-up for cooling towers.
iv.	Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed 5 days capacity.	Noted and being complied.
v.	As proposed, no effluent from distillery shall be discharged outside the plant premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.	We do here by confirm that, no effluent from distillery is discharged outside the plant premises and Zero discharge practice is maintained. We also confirm to take necessary steps to reduce the water consumption by adopting 3 R's (Reduce, Reuse & Recycle). Annexure-I: Implementation of 4R at our site


S.No.	Specific Conditions	Compliance
vi.	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	We do here by confirm the process effluent / any wastewater is not allowed to mix with the storm water. Storm water is being passed through guard pond.
vii.	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhubaneswar and SPCB.	We are not using ground water; Hence we have not installed Piezometers.
viii.	Continuous online monitoring (24x7) system to be installed within treatment plant and data to be uploaded to company's web site and also provided to respective Regional Office of MoEF&CC and concerned SPCB/CPCB.	We have completed commissioning of our Phase-I i.e. Distillery Unit of 60KLPD and 2.5 MW Captive Power Plant test running started in June'2018 and after attending to all snags, the final commissioning/commercial production started from 1 st Sep'2018. Continuous online monitoring (24x7) system has been installed within treatment plant and data of treatment plant (ETP) is transmitted online to the server of Odisha State as well as Central Pollution Control Board. Data will be uploaded in company's web site and will also be provided to MoEF&CC, Regional Office, Bhubaneswar.
ix.	Bagasse storage shall be done in such a way that it does not get air borne or fly around due to wind.	Not applicable, as there is no Bagasse storage is envisaged in the project. We are using only coal.
x.	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	Boiler ash Silo has been installed, ash is stored separately in Silo. Also, Proper care is taken to prevent direct exposure of workers to fly ash & dust. Boiler Ash is given to brick manufacturers. Pictures of Boiler Ash Storage:


S.No.	Specific Conditions	Compliance
		
xi.	<p>Fire-fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire-fighting shall be made to control fire from the alcohol storage tank. DMP shall be implemented.</p>	<p>Fire-fighting system has been installed as per the norms and all area is covered where alcohol is produced, handled and stored. Provision of foam system for fire-fighting has been made to control fire from the alcohol storage tank. A DMP (Disaster Management Plan) has been prepared.</p> <p>Pictures of Fire-Fighting System:</p> 

S.No.	Specific Conditions	Compliance
xii.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	<p>Medical test records of each employee have been maintained separately. First aid boxes are provided in the plant premises.</p> <p>Forms 31 A which is related to Employee health record is been maintained for all the employees. Sample is appended to this report.</p> <p>Annexure-II:Sample Medical Records-Form No- 31 A</p>
xiii.	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic managementsystem for their incoming and outgoing vehicles to avoid congestion on the public road.	<p>Dedicated parking facility for loading and unloading of materials has been provided in the factory premises as well as outside the premises. We have also developed good traffic management system for incoming and outgoing vehicles to avoid congestion on the public road and it is also maintaining.</p> <p>Annexure-III: Photos of Parking Area</p>
xiv.	As proposed, green belt over 12 acre of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with theDFO.	<p>As proposed, green belt of 12 acre of the total project area has been developed within plant premises and more plantation are in process with at least 10-meter-wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species has been made as per the CPCB guidelines in consultation with the DFO.</p> <p>Annexure-IV: Pictures of Green Belt and Plantation</p>
xv.	All the commitments made during the Public Hearing/Public Consultation meeting held on 11 th March, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Noted and this is ongoing process and being complied.
xvi.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs particularly village named Ramvikata and Titerikata and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	Noted and this is ongoing process and being complied.

B. GENERAL CONDITIONS

S.No.	General Conditions	Compliance
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Noted and being Complied. We are complying to the stipulations made by SPCB, State Govt. and other Statutory authority to the best of our effort.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and will be complied.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Noted and being complied. NABL accredited laboratory has already been given contract for certification of ambient air quality report on monthly basis. This report is been submitted on monthly basis to OSPCB State office, Bhubaneswar and Regional office, Sambalpur, Sample copy of the report is attached.
iv.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	We are regularly measuring as well as maintaining noise level within the limit.
v.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Noted and being complied. Twelve Nos. of rain water harvesting pit has been provided at project Site to recharge the ground water. Annexure-V: Pictures of Rain Water Harvesting Pit
vi.		

S.No.	General Conditions	Compliance
	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.</p>	<p>Noted and being Complied. Training on health & safety aspect is being conducted periodically and records are maintained.</p>  

S.No.	General Conditions	Compliance
vii.	Usage of Personnel Protection Equipment's (PPEs) by all employees/ workers shall be ensured.	<p>Noted and being Complied. We have provided all kind of PPEs like Safety Shoes, Safety Helmets, Safety belts, Hand Gloves, Goggles, nose masks, ear Muffs etc</p> 
Viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	<p>Noted and being Complied. Some of the measures taken:</p> <ol style="list-style-type: none"> 1. We have set up ETP which is fully operational at the time of commencement of commercial production. 2. ESP is installed for abatement of air pollution. 3. Not using ground water for production. 4. Distillery spent wash is processed as cattle feed (DDGS) and sold as bye products. 5. Three layers of saplings planted in the boundary area to create a green belt. 6. Continuous Emission Online Monitoring Systems are installed as well as data is being transferred to CPCB as well as SPCB.
viii.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	<p>Noted and We have also taken initiatives to provide drinking water facility in nearby schools, Temples and medical centre. We will also be entering into agreement with local ITI's, Provide scholarship to merit students. We have also distributed school bags to the students at nearby schools.</p> <p>Annexure-VI: Pictures of CSR Activities</p>
ix.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted and this is ongoing process and being complied.

S.No.	General Conditions	Compliance
x.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Noted and complied. Environment management committee has been framed to carry out the environmental management and monitoring system. We have set up a laboratory to check the parameters in effluent like PH, COD, BOD, TS, TDS, Conductivity, VA-Fatty Acid, Alkaline, Acidity, Hardness, Silica & turbidity etc. Environmental Management cell is headed by our Plant head. Meanwhile we are also giving training to our employees for in house management & monitoring of environment. We are also providing trainings to our employees by Environment Experts for in house management and monitoring of Environment.
xi.	As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost/annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked, for environment management/ pollution control measures shall not be diverted for any other purpose.	Capital Cost for Environment Protection for proposed project : Rs. 13.0 Crores.
xii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad / Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	Noted and complied.
xiii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board. A copy of	Noted and is being complied. We have submitted the report for the below mentioned period: 1. Oct'2016 to Mar'2017 2. Apr'2017 to Sep'2017

S.No.	General Conditions	Compliance
	Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	3. Oct'2017 to Mar'2018 4. Apr'2018 to Sep'2018 5. Oct'2018 to Mar'2019 6. April'2019 to Sep'2019
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Noted and being complied.
xv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Advertisement has been given in the two local newspapers namely THE TELEGRAPH (English) and NITIDIN (Oriya) on 14.11.2016
xvi.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted and is complied.

Annexure-I: Implementation of 4R (Reuse of Filter Backwash water)



Annexure-II: Sample Medical Records (Form No. 31A) and Regular Health Check-up



FORM No.31-A
Health Record
(Pre-employment / Periodical)
(Prescribed under Rule 62-I)

1. Name of the Factory : BOUDH DISTILLERY PVT. LTD.

2. Name of the Employee : SUKUMAR DUTTA.

3. Employee Distinguishing No. : E 019

4. Age of the employee : 36 years.
Identification mark : A mole on the nose.
Nature of Job : Manager [Electrical]

5. Date of Employment : 10th May 2017.

6. Length of service in years :

7. General Survey
Health : Good / Fair / Poor
Height : 178 Cms
Weight : 74 Kg

8. Blood Group : B +ve.

9. Eye Vision : Normal / Abnormal
Use of glass : Yes / No

10. Hearing : Normal / Abnormal

11. Respiratory system and Chest Measurement
Inspiration : 90cm
Expiration : 95cm
Respiration rate/ min : 16/min (L)
Remarks, if any :

12. Cardiovascular system
Pulse rate : 71 / min
B.P : 130 / 75
Heart Sound : NAT
Remarks, if any :

13. Abdomen Tenderness : Yes / No

- 14. Nervous system : Yes / No ✓
 History of fits : Yes / No ✓
 Epilepsy :
 Remarks on Mental Health :
- 15. Locomotors system : Normal / Abnormal ✓
- 16. Skin Condition : Normal / Abnormal ✓

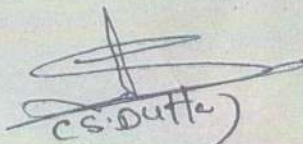
Remarks on any Skin Disease Noticed :

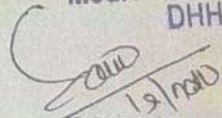
- 17. Hernias : Present / Absent ✓
- 18. Hydrocele : Present / Absent ✓
- 19. Present complaint : null

- 20. Summary of abnormal finding:
 - Heart Disease :
 - Hypertension :
 - Diabetes :
 - T.B :
 - Epilepsy :
 - Poisoning :
 - Physical deformity :
 - Others :
 - Occupational disease, if any :

↑
 null

21. Recommendation, if any for any further investigation.


 CS. Dutta
 Signature of Employee

Medical Officer (Sr. Class-1)
 DHH, Boudh

 Signature of Medical Officer

FORM No.31-A
Health Record
(Pre-employment / Periodical)
(Prescribed under Rule 62-1).

1. Name of the Factory : BOUDH DISTILLERY PVT LTD
2. Name of the Employee : ASHOK KUMAR DAS.
3. Employee Distinguishing No. : E 021
4. Age of the employee : 41 yrs
Identification mark : A mole on left side cheek.
Nature of Job : Manager (HR & Adm'n)
5. Date of Employment : 01st. JUNE. 2017.
6. Length of service in years :
7. General Survey :
Health : Good / Fair / Poor
Height : 176 Cms
Weight : 84 Kg
8. Blood Group : O -ve.
9. Eye Vision :
 Normal / Abnormal
Use of glass : Yes / ~~No~~
10. Hearing : Normal / Abnormal
11. Respiratory system and Chest Measurement
Inspiration : 100 Cm
Expiration : 105 Cm.
Respiration rate/ min : 18/min (D)
Remarks, if any : No add sound.
12. Cardiovascular system
Pulse rate : 90 0/min
B.P : 125/73
Heart Sound : mur
Remarks, if any :
13. Abdomen Tenderness : Yes / ~~No~~

RBS - 84 mm

Cont...P/2

14. Nervous system
History of fits
Epilepsy
Remarks on Mental Health

Yes / No
Yes / No

15. Locomotors system
16. Skin Condition

Normal / Abnormal
Normal / Abnormal

Remarks on any Skin Disease Noticed :

17. Hernias

Present / Absent

18. Hydrocele

Present / Absent

19. Present complaint

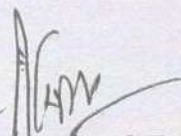
None

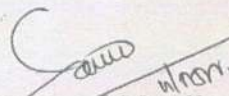
20. Summary of abnormal finding:

Heart Disease
Hypertension
Diabetes
T.B.
Epilepsy
Poisoning
Physical deformity
Others
Occupational disease, if any :

None

21. Recommendation, if any for any further investigation.


Signature of Employee


Signature of Medical Officer
Medical Officer (Sr. Class-1)
DHH, Boudh

FORM No. 31-A
Health Record
(Pre-employment / Periodical)
(Prescribed under Rule 62-1)

1. Name of the Factory : BOUDH DISTILLERY PVT LTD
2. Name of the Employee : SUNIL KUMAR MOHANTY
3. Employee Distinguishing No. : E066
4. Age of the employee : 36 year,
Identification mark : A mole on left side cheek.
Nature of Job : PHARMACIST
5. Date of Employment : 9th January 2018
6. Length of service in years :
7. General Survey :
Health : Good / Fair / Poor
Height : 166 Cms
Weight : 78 Kg
8. Blood Group : AB +ve
9. Eye Vision :
Normal / Abnormal : Normal
Use of glass : Yes / No : Yes
10. Hearing : Normal / Abnormal : Normal
11. Respiratory system and Chest Measurement :
Inspiration : 100 cm
Expiration : 105 cm
Respiration rate / min : 18 / min
Remarks, if any :
12. Cardiovascular system :
Pulse rate : 72 / min
B.P : 124 / 88
Heart Sound : S₁ S₂ S₃ S₄
Remarks, if any :
13. Abdomen Tenderness : Yes / No : No

14. Nervous system

Yes / No ✓

History of fits

Yes / No ✓

Epilepsy

Remarks on Mental Health

15. Locomotors system

Normal / Abnormal ✓

16. Skin Condition

Normal / Abnormal ✓

Remarks on any Skin Disease Noticed

17. Hernias

Present / Absent ✓

18. Hydrocele

Present / Absent ✓

19. Present complaint

nil

20. Summary of abnormal finding:

Heart Disease

Hypertension

Diabetes

T.B

Epilepsy

Poisoning

Physical deformity

Others

Occupational disease, if any :

none

21. Recommendation, if any for any further investigation.

Sunit Kumar
Signature of Employee

Medical Officer (Sr. Class-1)
DHH, Boudh
Sunit
Signature of Medical Officer

Annexure-III: Photos of Parking Area



Annexure- IV: Pictures of Green Belt and Plantation









**Annexure-V: Pictures of Rain Water Harvesting
Structure (From Construction to in Function)**



Annexure-VI: Pictures of CSR Activities

Drinking water Facility:



Bag Distribution at Nearby Schools

