

MCW / EMD / 12 / 2020/ 220

November 27, 2020

To,  
Ministry of Environment & Forest & CC  
Regional Office (WCZ), Ground Floor  
East Wing, New Secretariat Building,  
Civil Line, Nagpur-440001

Kind Attn: - **Additional Director**

Sub : Submission of Half yearly monitoring report for the period of **April 2020 to September 2020** of M/s Ambuja Cements Ltd. (Unit: Maratha Cement Works, Upparwahi), Chandrapur (Maharashtra)

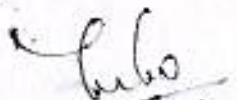
Ref: **EC No. J-11015/400/2006 – IA – II (M), Dtd. 29.06.2007**

Dear Sir,

This has with reference to the above referred EC & the subject matter; we are submitting herewith six monthly compliance report (for the Period of April 2020 to September 2020) for the various conditions stipulated vide above referred EC for our Captive Limestone Mine (ML- II)

We hope that you will find this information in order please.

**For, Ambuja Cements Ltd.  
(Unit- Maratha Cement Works)**



**M. Sanjeeva Rao**  
Authorized Signatory

Encl :- a/a

- CC: 1. Central Pollution Control Board  
Parivesh Bhawan,  
Opp. VMC Ward Office No. 10,  
Subhanpura, Vadodara  
Gujarat-390 023
2. The Member Secretary  
Maharashtra Pollution Control Board  
Kalpataru Points, 4<sup>th</sup> Floor,  
Matunga Scheme, Road No.8  
Opp. Sion Circle, Sion East  
Mumbai – 400 022
3. Regional Officer,  
Maharashtra Pollution Control Board,  
Udyog Bhawan, 1<sup>st</sup> Floor  
Railway Station Road,  
Chandrapur – 442401 (M.S.)

**Ambuja Cements Ltd.**

(Unit : Maratha Cement Works)

At & Po – Upparwahi – 442 908, Taluka – Korpena, Distt – Chandrapur (M. S.)

Tel. : 07173 – 240015-20 Fax : 07173 – 240008 – 9

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CIN No: L26942GJ1981PLC004717 Website : [www.ambujacement.com](http://www.ambujacement.com)

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**COMPLIANCE STATUS OF MoEFCC EC CONDITIONS OF  
2.0 MILLION TON / ANNUM LIME STONE MINES AND 0.2 TON /ANNUM SHALE (ML- II)**

**Period from 01.04.2020 to 30.09.2020**

**(EC No. J-11015/400/2006 – IA – II (M), 29.06.2007)**

<b>Sr. No.</b>	<b>Condition</b>	<b>Status/Report</b>
<b>A.</b>	<b>Special Condition</b>	
i.	Topsoil, should be stacked properly with proper slope at ear marked site (s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.	Topsoil stacked properly with proper slope at ear marked site and is being used for reclamation and rehabilitation of mined out area. For the period from 01.04.2020 to 30.09.2020, 0 m <sup>3</sup> of Top soil has been generated & till date 612650 m <sup>3</sup> of Top soil generated & will be utilized for reclamation and rehabilitation of mined out area. The details are enclosed as <b>Annexure – 1</b> .
ii.	External OB dumps and other wastes should be stacked at earmarked sites only and should not be kept active for long period till its use for backfilling. Toe walls around the waste dumps shall be made to ensure and to prevent erosion and surface runoff. The total height of the dumps shall not exceed 30 m, each stage should preferably be of 10 m. Overall slope of the dump shall not exceed 28°.The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment &Forests on six monthly basis.	External OB dumps and other wastes are stacked properly and OB dumps are vegetated to prevent erosion and surface runoff. The details are enclosed as <b>Annexure – 1</b> . Toe walls around the waste dumps have been made to ensure and to prevent erosion and surface runoff. The total height of the dumps is less than 30 m, each stage is of 10 m. Overall slope of the dump is less than 28°.The OB dumps have been scientifically vegetated with suitable native species to prevent erosion and surface run off.
iii.	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly.	Catch drains and siltation ponds constructed and the collected water used for watering mine roads and green belt development. The details are enclosed as <b>Annexure – 2</b> . The details of Peripheral bunds, Check dams, Siltation ponds & Garland drains are enclosed as <b>Annexure – 3</b> .
iv.	Garland drain (size, gradient and length) shall be constructed for both mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50	Garland drain of appropriate size and capacity has been constructed along with Siltation pit all along the periphery of the mines. Photographs attached in <b>Annexure –</b>



	years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	2. The details of Peripheral bunds, Check dams, Siltation ponds & Garland drains are enclosed as <b>Annexure – 3</b> .
v.	Plantation shall be raised in 226.84ha of area along the mine lease area including OB dumps which will be reclaimed by green belt / afforestation in consultation with the local DFO / Agriculture Department around mine lease area etc. The density of the trees should be around 2500 plants per ha.	Complied with, Limestone mine is surrounded with other existing mining leases. Till date Around 373336 trees have been planted in the total mining lease area. The density of plantation is 2558 plant/Ha. The details are enclosed as <b>Annexure – 4, 1 &amp; 2</b> .
vi.	Conservation plan for engendered fauna, if any in consultation with State Forest Department/CWLW for implementation.	We have consulted State Forest department & there is no engendered fauna in this area.
vii.	Measures shall be taken to provide chain linked fencing around the mine lease to safe guard from any injury to the wildlife.	Noted and Compiled with.
viii.	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	MCW has developed rain water harvesting pits of capacity around 714838 m <sup>3</sup> for ground water augmentation (Photographs attached as <b>Annexure 5</b> ). Our CSR wing ACF has constructed 40 No's of Check Dams, 21 No's of Farm Ponds & 3 No's of RRWH structures in the nearby area for rain water harvesting. The details of CSR work carried out by ACF enclosed as <b>Annexure – 6</b> .
ix.	Drilling and blasting shall be by dust extractors and wet drilling.	We have 3 nos of Atlas Copco drill machines which are fitted not only with wet drilling system but dust extractor also. We are doing controlled blasting by using nonel as Down the Hole as well as trunk line delay connectors. Photographs are attached as an <b>Annexure – 2</b> .
x.	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new peizometers during the mining operation. The monitoring should be carried out two times in a year - pre-monsoon (April-May), post-monsoon (November) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground water Board.	Groundwater level and quality regularly monitored and report submitted to CGWB and MoEF. A copy of latest report submitted enclosed as <b>Annexure – 7</b> .



xi.	Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures during mining operation for conservation and protection of endangered fauna (Schedule-I), if any, spotted in the project area. Action plans for the same shall be prepared in consultation with wildlife department along with allocation of funds for this purpose and shall be submitted to R.O of the Ministry at Bhopal	All necessary measures are being taken for protection of ecological status of the mining area as per the EIA & EMP. There are no endangered fauna & flora (Schedule -I) in the project area.
xii.	Permission from the competent authority should be obtained for drawl of ground water if any, required for the project.	Permission obtained from competent authority for withdrawals of ground water. We have been accorded water drawl permission from CGWB vide permission no. 21-4/(101)/CR/CGWA/2010-899 Dated 10.12.2019 which is valid upto 10.12.2024.
xiii.	Suitable rainwater harvesting measures on long-term basis shall be planned and implemented in consultation with Regional Director, CGWB.	MCW has developed rain water harvesting pits of capacity around 714838 m <sup>3</sup> for ground water augmentation (Photographs attached as <b>Annexure 5</b> ). Our CSR wing ACF has constructed 40 No's of Check Dams, 21 No's of Farm Ponds & 3 No's of RRWH structures in the nearby area for rain water harvesting.
xiv.	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mineral separation plant wastewater.	We have installed two no's of STP in colony, each of 500 m <sup>3</sup> /d capacity and treated water is used in plant for cooling purpose. ETP also installed for mines workshop and treated water is recycled back again and there is no discharge from the system. The details are enclosed as <b>Annexure - 8</b> .
xv.	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Noted.
<b>B. General Condition</b>		
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Noted.
ii.	No change in the calendar plan including excavation, quantum of mineral limestone ore and waste shall be made.	Noted.
iii.	Conservation measures for protection of flora and Fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife	All necessary measures are being taken for protection of ecological status of the mining area as per the EIA/EMP.



	department.	
iv.	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, 502, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	AAQMS established with approval of MPCB and regular monitoring being done and reports are submitted regularly to MPCB.
v.	Data on ambient air quality (RPM, SPM, 502, NOx) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	Ambient Air Quality data submitted at regular intervals to the MPCB & Ministry. The details are enclosed as <b>Annexure – 9</b> . Last report submitted on 27.05.2020.
vi.	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	To control fugitive emission we are using Drill machine with inbuilt dust extraction system. Regular water spraying on haul roads and crusher hopper to control the fugitive dust. The details are enclosed as <b>Annexure – 2 &amp; 10</b> . The fugitive emission monitoring report enclosed as <b>Annexure – 3</b> .
vii.	Measures shall be taken for control of noise levels in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs / muffs.	We have done massive plantation around the Mine areas. The details are enclosed as <b>Annexure – 4 &amp; 2</b> . Regular checking and maintenance carried out for all the heavy mines machineries. We have adopted state of the art blasting technology to control ground level vibration & noise. Necessary PPE's e.g ear plug/muffs have been provided to the persons working in the area. The ambient noise monitoring report enclosed as <b>Annexure – 12</b> .
viii.	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	Only small quantity of water is generated from mine workshop which is recycled back again after treatment through ETP and there is no discharge from the system. The details are enclosed as <b>Annexure – 8</b> .
ix.	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	Safety & Environment departments are imparting training program on regular basis to all the workers for the appropriate use of PPE's. PPE's have been provided to all workmen.



x.	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed	Occupational health surveillance of employees and workers is being done at regular intervals as per the guidelines and records are maintained.
xi.	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	We have established Environmental Management Department (EMD) having multidisciplinary team of professionals and technical staff with vast experience headed by Senior Executive who reports directly to the Planning head.
xii.	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied, The project has been financed through the internal accruals and the same has been approved on April 2007.
xiii.	The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	Noted and Complied.
xiv.	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied, The project has been financed through the internal accruals and the same has been approved on April 2007.
xv.	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted
xvi.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied off.
xvii.	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.	Complied off.
xviii.	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of	Complied off.

	the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.	
5.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
6.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
7.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.



**Top soil Conservation And Over burden dump site stabilization**

Top soil of mine out area collected stacked for further utilization of topsoil for slope stabilization.



Special Initiatives has been taken for top soil conservation and over burden dump stabilization. Overburden dump of limestone mines has been vegetated by covering with topsoil and tree plantation. The overburden dump has been covered with coconut fibre blanket which helps to bind the soil for plantation.



**Dump Stabilization activity under process**



**Stabilized Dump slope**



MCW is having ROC F9 drill machine which has inbuilt dust extractor system



Drilling machine with in built Dust extraction system



Garland drain constructed around dumps



Plantation around ML area



## Details of Peripheral bunds, Check dams, Siltation ponds &amp; Garland drains

As on 30<sup>th</sup> September 2020

ML - II (Capacity - 2.0 MTPA Limestone & 0.2 MTPA Shale) 880.31Ha.			
Bund(Berm)	7865.00M		
	Garland drain in meter		Siltation tank
Lakhmapur	930		
Near crusher dump	651		
Near ANFO top soil	440	20*15*2.00	300.00 sq. meter, 600.00 cub. Meter
Near ANFO Waste dump	497	24*15*1.80	360.00 sq. meter, 648.00 cub. Meter
Waste dump towards north side	1035	28*13*2.00	364.00 sq. meter, 728.00 cub. Meter
		20*10*2.00	200.00 sq. meter, 400.00 cub. meter
Sub grade dump north side	1016	20*12*2.00	240.00 sq. meter, 480.00 cub. meter
<b>Total</b>	<b>4569</b>		
Construction of retaining wall	100.00 meter	100*1*1	



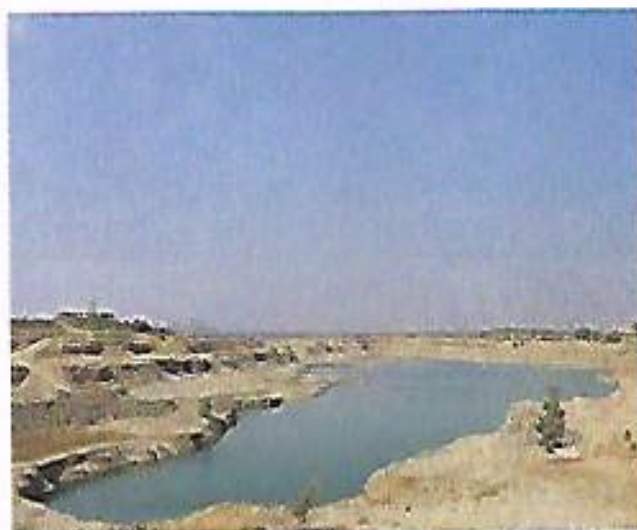
## Tree Plantation details as on September 2020

Sr. No.	Location	YEAR OF PLANTATION										Total plantation	Area in Ha.
		Upto 2012	2013	2014	2015	2016	2017	2018	2019	2020			
1	Plant	46872	500	225	0	0	0	0	0	0	47597	16.25	
	Infilling	176	500		316		673	0	0	0	1665		
2	Colony	43998	1400	4500	242	0	0	0	0	0	50140	19.078	
	Infilling	1170	100								1270		
3	Mines	277204	10500	12600	9000	6500	15632	18100	15000	8800	364536		
	Infilling	18500	1000	2000	800		400	2000	4000		28700	145.97	
	Jatropha plantation	7000									7000		
4	App. Road / transportnagar	3565					63	570			4198	7 km	
		0									0		
5	Avenue plantation	5370	1200			0	0	0	0	0	6570	5 KM	
	Infilling	450									450		
6	Other plantation in villages	41391	441		302	9500	2575	2300	0	0	56509	21.57	
	Total plantation Nos.	445696	15,641	19,325	10,660	16,000	19,343	22,970	19,000	8,800	5,77,435		



**Rainwater Harvesting**

We are using excavated mines pit for rainwater storage. We have increased our rainwater harvesting capacity around 714838 M3, which is being used in plant for various purposes. We have made rainwater harvesting pits in plant premises and in colony area having capacity of 36000 and 27840 m<sup>3</sup> respectively. We have also done rooftop water harvesting in colony area having rainwater harvesting potential around 1550 m<sup>3</sup>.





Ambuja Cements Ltd.,  
(Unit: Maratha Cement Works)

**Effluent Treatment Plant at Mines Workshop**

We have installed ETP (Effluent Treatment plant) for treatment of Mines workshop waste water. The treated water is recycled back into the system.





## SIX MONTHLY PROGRESS REPORT ON ACF CSR WORK (April 2020 to Sep 2020)

### Agro based livelihood program (ABLP)

ACF is working extensively in the area of agro-based livelihood generation among rural communities in Chandrapur district of Maharashtra. Our work bridges the gap between technology and farming,



empowering farmers to adopt practices that are both sustainable and profitable in the long run. Our work has found support through partnership with likeminded organization BCI. We also collaborate with CICR-Nagpur, Anand Niketan Agriculture College Warora, KVK Sindewahi and encourage scientists to share their knowledge and best practices with the community.

ACF's agro-based livelihood programme is implemented through following approach:

#### A. Better Cotton Initiative (BCI):

ACF, Chandrapur working with BCI project since 2009 in adjoining village of Maratha Cement Work, from the year 2012-13 extend area of BCI, current year ACF- Chandrapur covering with 64623 farmers with 639 Villages of Chandrapur & Nagpur districts covered Rajura, Jiwati, Korpana, Bhadrawati, Chimur, Chandrapur, Warora Blocks of Chandrapur district and Hingna, Nagpur Gramin, Kalmeshwar, Saoner Blocks of Nagpur district.



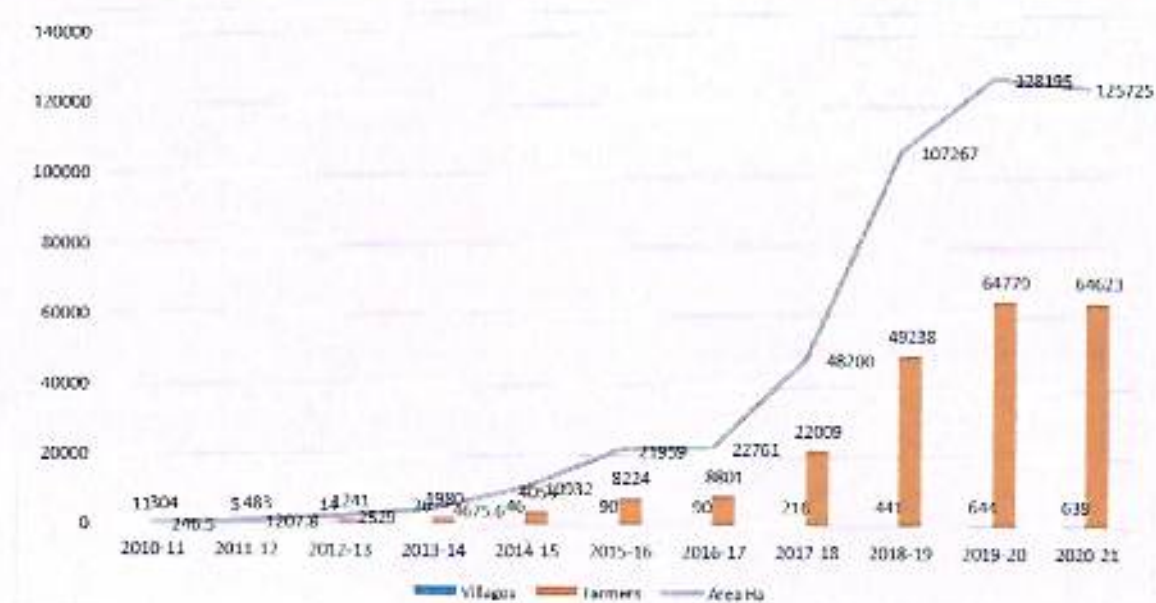
#### Objectives:

- To demonstrate the inherent benefits of Better Cotton production, particularly the financial profitability for farmers engage in cotton cultivation.
- To reduce the impact of fertilizer and pesticide use on human and environmental health.
- To improve soil health and biodiversity.
- To promote Decent Work for farming communities and cotton farm workers.
- To facilitate global knowledge exchange on more sustainable cotton production.
- To increase the trace ability along the cotton supply chain.
- To improve the water management practices through effective micro irrigation systems.



## Year wise expansion of the program:

Year	2010-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21
Villages	11	5	14	26	46	90	90	216	441	644	639
Farmer	304	483	1241	1980	4055	8224	8801	22009	49238	64779	64623
Area (Ha.)	246.50	1207.80	2529	4675.6	10932	21959	22761	48200	107267	128195	125725



## B) Better Crop Management Initiative (BCMI):-



The project area has cotton based cropping pattern along with cotton farmer are growing soybean, wheat and pulses as well as Vegetables is slightly growing by farmers in the few villages of Jiwati area. The issues observed in need assessment regarding cultivation of secondary crops like soybean, wheat, vegetables and pulses are gradual decline of yield, varietal and seed replacement rate is very low. Lack of adoption of improved cultivation practices mainly in secondary crops, middleman exploitation in marketing due to no market linkages, and cotton based cropping pattern resulted low crop diversification in the area. In this year 2146 farmers

going with intercropping of leguminous as well as vegetable crops and current period we have completed 03 trainings on Agronomical aspects.

Considering with mentioned issues ACF, Chandrapur decided to work on ICM within the following Objectives.

**Objectives of ICM:-**

- To enhance the productivity of secondary crops of area (Soybean, wheat and pulses)
- To increase adoption of inter cropping pattern.
- To facilitate government's schemes under ICM.
- To reduce the cultivation cost by introducing cost reduction technologies
- To promote judicious use of water
- Establish market and other needful linkages

**C) Aquaculture (Fisheries)**

In the vision of farmer long time sustainability ACF introduced Aquaculture (Fisheries cultivation) as well as improved practices of aquaculture which is recommended by concern fisheries department, current year covered 50 farmers with *Katla* species of Fish

**Objectives of Aquaculture:-**

- To develop sustainable source of livelihood through fisheries cultivation.
- Provide and aware about improved practices of aquaculture.
- Engagement of other family member in their own farm.
- Establish market and other needful linkages within farmer and buyer.





**D) Livestock Development (LSD):-****Livestock Development Programme through the Pashu Swatha sakhi support from ABLP program:**

Under the project 32 Pashusakhis have trained for Livestock management in the surrounding area & core villages. In the project covered 47 villages. A main objective of this project is sustainable development & increased financial status. All types of required services has provided to Pashu Palak through the Pashu Swatha sakhis as like Management of Goatery and Poultry, Vaccination, Deworming, Basic treatment, Goat farming etc, from April to September 2020, 2 Pashupalak Groups have formed for mobilization and collective marketing. Organized total 34 awareness sessions with the formed 21 Pashu Palak group during the Lock Down period.

**Pashusakhi Project : Objective** 1) Livestock development and Promotion of small & large IG activities 2) Goat management and treatment for livelihood promotion 3) Support for farming 4) Lifestyle management 5) Increase financial status & support to Landless & small families 6) Established small entrepreneur & collective marketing with the help of FPO, NABARD & ATMA 7) Decreases the Mortality of Goatry and Poultry 8) Awareness among the villages or Pashupalak regarding Nutrition Food , Clean Water & Vaccine .

**Achievements during the period of April to September 2020:**

Sr.No.	Activities	Covered	
1	Need Base survey completed	4 new villages (in new mines area)	928 HH
2	Lampi Skin disease awareness one to one	1124	1124 Large Animals
3	Lampi Skin disease treatment camp with local government team	16	1988 Large Animals
4	Vaccination Camp ( PPR & FMD)	22	489 Goats & Bucks
5	Deworming camp	6	228
6	Pashu Swatha Sakhi Training	6 days	16 PSS





## Snapshot of the ABLP



Mask prepared by field staff to distribute at village level for prevention against CORONA



Drip irrigation



Meeting with Agri Shopkeepers



Roof Rain Water Harvesting structure



Demonstration of Vermicompost through ready Vermi Beds



**Ambuja Cement Foundation (ACF)**  
**Women Empowerment Programme**  
**Period: April 2020 to September 2020**

**Introductions:**

ACF endeavours to empower rural women by taking more series of initiatives. Ambuja Cement Foundation, Upparwahi has started its journey from 2001, by promoting SHGs (Self Help Groups). ACF, Upparwahi has promoted total **no. of 197 SHGs** & involved **2224 women members** from **2001 to September 2020**.

Empowerment is a process of creating awareness about social realities and available rights, to build capacity through education, knowledge, skills, and action to initiate participation to bring change. The participation of women in savings and economic attainment will improve the status and gives the power to participate in the decision-making process. It changes the nature and direction of systems affecting marginalized women and other disadvantaged sections in the society.

Self-help groups are small voluntary associations of people from the same socio-economic background to solve their common problems through self-help and mutual help. It is a tool to promote rural savings and provide gainful employment. Collective actions introduce leadership, Strength; reduce risk, and external threats. It enables women to overcome the oppression of patriarchy by helping to realize their true potentials which reflect total wellbeing.

The microcredit is one of the solutions to promote the quality of life which accelerate socio-economic development and reduce the rural poverty considerably. Self Help Groups play an important role in ensuring good health and empower women within the household as well as in society. This describes the constitution, scope, and credibility of Self Help Groups, the Government initiatives towards its promotion, Women Empowerment initiatives in rural areas, and analyses the impact of intervention towards socio-economic and rural development.

Since 2000, ACF works in Chandrapur district under the CSR arms of Ambuja Cement Ltd. for the betterment of the community by covering **12 core & their join** villages of the surrounding area of the company. Initially focused on the formation of SHG under the "Women Empowerment" Program. Later on formed the women federation to address the social issues along with economic development by strengthening the SHG's and focused on various income generation activities and social development.

Now as on date we have **197 SHG**, which is compressing with **2224 women** members. All are participating in various social and economic developmental activities. Reduced the trained to borrow the loan form money lenders for agriculture and other primary needs. All SHG's are joined to the bank for financial transactions and availing loans for family needs and toilets construction as well. Most of the women engaged in individual income generation activities. To date our 40% women have been started their businesses under the "Pradhan Mantri Mudra" loan and support of the Joint Liability Group ( JLG ) Project which is sanction by Vidharbha Kokan Gramin Bank and NABARD, Chandrapur. During the year 60% of



**Ambuja Cement Foundation (ACF)**

members opened their bank account in JAN DHAN Yojana, aligned with Pradhan Mantri Jiwan Jyoti & Pradhan Mantri Jiwan Suraksha insurance scheme for social security. No. of 126 families have registered to Sukanya Schemes. The members of SHG's have their accounts in Nationalized Banks under the Haqdarshak and did Digitalization of all SHG's with the support of NABARD project.

In Chandrapur programme area in Maharashtra, ACF's SHGs has formed a women federation and total **120 SHGs** have joined the federation. The federation has involved in many types of financial, Social and Income Generation activities as like construction of toilets through the Gruh Finance Support, Purchase and selling of Sakhi Sanitary Pad, School and College bags making and selling, Farm inputs purchase and selling, Food Canteen at ACF and MCW COLONY premises for providing the food services, Hard & Soft Brooms. The federation has set up an institutional structure and decision making process. Ekata women federation has working with SHGs members and most of the services provided to their members and its main purpose is increase the livelihood of their poorest members.

Our women empowerment is one of the key initiatives of our women empowerment program. Empowering women through financial independence, growth of women education, growth of economic, Women and sanitation, Safe & scare life, Social & political level is the major objective of our program. As per our objective we have work with 197 women SHGs and we have doing the work with total 2224 women members as a financial literacy, bank linkages for free from money lenders, work for gender balance in community, work for political level as like women Gramsabha and women Sarpanch and member of panchayat Samitee, strengthen the gram sabha & increase women participation in women gram sabha.

As of **April** to September 2020, ACF Chandrapur has formed total **12 new SHGs** and covered **126 members**. Encompassing **2224 women in 47 villages** with a collective saving base of Rs.144.11 complementing and supplementing the family incomes substantially. Continually we have done the work with Expert local bodies like banks, village GPs, Government agencies, NABARD (Panchayat Samiti, Zila Parishad, and Other non-government agencies) are help with to ensure long term sustainability of SHG's. Presently ACF run this program is own level but most of other organizations has participated for help to women SHG & federation. Exam Vidharbha Co-operative Marketing Federation, Nagpur (Sub branch Chandrapur), Indian Potash Ltd, Led Bank of India Chandrapur & SBI Branch, Gadchandur, SBI Bank work for customer service point (CSP), Bank of India, Upparwahi & Wansadi, Vidharbha Kisan Gramin Bank Gadchandur for high bank linkages.



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The main activity of the SHGs is thrift and credit and as per need of SHG members. The SHGs are then trained in different vocations & linked with the banks to start micro enterprises either in group or individually based on their interest. After receiving the bank loan SHG members starting the own IG activities and support to their families for farming inputs. In the month of **April to September 2020 our 188 SHG members** have started their own business from the Joint Liability Group (JLG Project) loaning of Rs.89 Lacks. All the members from Pimpalgaon, Lakhmapur, Isapur, Hardona kh & Buj, Naranda, Manoli kh, Kusal, Kawthala, Upparwahi, Thutra and Bhendvi villages. Our 11 SHGs has selected for Chanda TO Banda Project with the help of MAVIM & NABARD. Under the project total 13 SHGs submitted their project proposal to Chanda to Banda department Chandrapur & MAVIM. As per our data total 385 women from Landless & Small Farmer families and they engaged in enterprises like Goat Farming , Herbal medicine, Sewaya making, goatry, vegetable cultivation, Poultry units, Dalmil, Beauty parlar, paper plate making, Pickles making & others like canteen, Mess, Dress design, Ladies cloth canter, Masala making, bags making & Zunka bhakar Kendra, Mid Day Mil to School and Anganwadi etc. As earning and contributing members of the family they are now active player in family decisions, responsible inter loaning bodies and operating village institution in the development of their villages. Most of the SHGs have involved in village sanitation work under **the Community Led Sanitation project support from Gruh Finance Ltd. Ahamadabad** Under the project our SHGs are engage in various activities as like motivation to house hold for construction of toilets & its use , village cleaning drive & safe drinking water. Under the project total total 565 toilets have constructed through the SHGs and received 40 new applications from SHGs.

In women empowerment program, ACF has promoted Ekata women federation for sustainability view. Ekata women federation has formed by ACF under society act 1960 in year 2009. When federation has formed only 13 SHGs joined with federation but now total 120 SHGs has joined with monthly Rs. 200 saving and now total 15.08 lacks total saving. Under the saving habits federation has promoted many types of support services for SHGs as like quality seed and fertilizers, Market analysis for SHG products, Loan for higher education and housekeeping, Loan for toilets construction Work with Gruh Finance Ltd. Ahmedabad: A big support for construction of toilets from Gruh Finance Ltd. To Ekata women federation total amount of Rs.32 lacks. (2014-15 Rs.10.00, 2015-16 Rs.10.00, during 2016-17 10.00 & 2018-19 –Rs.2 lacks) .From received amount total 565 (91 +259+130+ 46+ 39=526) toilets constructed and 35 is under in progress.

#### **Work under Gruh Finance Ltd. Ahamadabad:**



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**Work under Haqdarshak project:** Under the WEP program total 25 HDs have work with Haqdarshak Company. Out of 25 HDs 11 are working in surrounding areas. In the project total 65 villages have covered for Resan card, Pan Card, Caste certificate, Income certificate, Government schemes for SHG members and villagers. All the work monitored through the Haqdarshak App on mobile.

**Haqdarshak Project : Objective :** 1) Increase awareness about government schemes 2) System of beneficiary form submission Project Objectives and Scope of Work, Identification and training of 25 Haqdarshak in Chandrapur, Maharashtra, Training and capacity building of the identified members of Foundation to guide the Haqdarshak and monitor their performance, Daily planning, training of Haqdarshak and monitoring of the plan, Updating of the scheme information as per revision in the scheme guidelines announced by the government, Regular backend and platform maintenance support by HESPL.

**Ekata Women Federation & supportive Projects :** In every month from April to September 2020, 4 meeting for planning of Covid 19 work. In the meeting SHGs & Federation members have participated with their village issues & they decided strategy of work, process of loaning, identified the IG activities at group or individual level. Women also discussed about construction of toilets for better women & her family life. Now SHG women have involved in toilets construction work at Pimpalgaon, Isapur, Baleguda, Piparda & Hardona khu. Manoliguda, Saleguda, Hirapur & Piparda village. Though the federation 9 types of support services provided to SHGs as like small loan for basic needs, loan for toilet construction under Gruh Finance Ltd., Seed and Fertilizers for stop the money lender issue and federation can do the work for girl's education and social issues.

**Food Canteen at ACF & MCW premises:** In 2012, one small tea & Snacks canteen has started at ACF premises on SEDI top open place. The objective of canteen was provide the safe and clean food to ACF staff. Before the SHG canteen TEA & Snacks services has provided by outsider person from Transport Nagar, Upparwahi. Most of the time we faced hygiene & cleaning issues. Most of the ACF staff come from Chandrapur and they were faced tiffin services that's the reason we were started SHG canteen.



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In the Maratha Cement Company most of the Bachelors employees are worked. In the lunch time they come at Safalya Canteen at ACF premises, Transport Nagar. During the lunch time they have faced more challenges. Most of the Colony members were demand for to start the Chat centre and Food services at MCW colony premises. Customer scope & good market Federation has started MCW canteen at MCW colony premises.

**SEED & Fertilizer service provide to women farmer & SHG members:** Most of the SHG members were purchased farm inputs from money lender and paid high rate interest amount to money lender. Most of the time farmer were purchased bad quality seeds from other state. ( *Bogas Biyane* or *Chor Biti*). Lack of farm education. Very less or 0 percentage women were involved in farming design as like Purchase of seed , Which types of seed & fertilizer were applied, Amount of inputs, etc. That's the reason federation were stated this services.

**Desi Eggs unit:** After the bank linkages under the scheme of PM Mudra loan our 22 SHG member have started their own poultry business at village level. One women has purchased 15 to 20 poultries. In the company premises & local market ( Manikgad, Ambuja , Bank employees) most of the demand for Desi Eggs as nutrition purpose. Scope of collective purchasing, selling and marketing Federation has started Desi Eggs unit at Hardona kh for sustainable development. From the business one members are earned Rs.150 to 300 per day's additional income.

**Dalmil:** In 2001, SHGs has formed. In 2009 one member from Pimpalgaon village has purchased their own Dalmil because of motivation and exposure visit. In our area Tur is a main crop after cotton. Most of the farmers are sealed Tur to Merchant. Then they purchase high rate Tur Dal from shop. The scope of raw material & demand of unpolished Dal Federation has stated Dalmil units with the help of SHG members. During the period total 3 Dalmil were run successfully.

- During the period of Covid 19 federation has involved in preparation of Fabric Cotton Washable 2 & 3 layer Masks. From this activities **26 women** members have got employment.
- **Safety Outlet at Transport Nagar:** Ambuja Cement Ltd. company mission is Zero Harms and should be provide clean safety kit to our Driver bhai for maintain better health & family environment. Ekata women federation members have involved various types of safety awareness programs with MCW staff from last 9 to 10 year. Federation safety outlet has been formed under ACF guidance and most of the time its members has involved in company mission ( Zero Harms ) and most of the members are aware about Road , Fire and Electric safety . A Self Help Group members are involved in safety issues and they participated in role play which is organized by ACF for villagers. Most of the tea point has provide PPEs services to Drivers but no maintain cleaning and proper safety. That's the reason Company demand to ACF for to start the Safety outlet at Transport



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Nagar area. Ekata federation has started the Safety outlet because of monthly 15000 to 20000 income from transporter & support received from ACL.



- Capacity Building through the training and workshop : Objective :** 1) To build the capacity of village level literate and illiterate women and their families 2) Established linkages with bank and other microfinance institute for free form money lenders and increase their financial status 3) Increase their confidence for livelihood promotion 4) Established linkages with Block and District level for strong networking with government department. 5) Maintain proper books and Accounts for financial literacy 6) Women Pressure group for development and stop the illegal habits . 7) To build the leadership quality and design making power. 8) Work for social aspects.
- Promotion of IG activities : Objective :** 1) Women involvement in On farm and Non-farm activities for increase financial status 2) Linkages with banks for Pradhan Mantri Mudra loan 3) SHG loan 4) ICICI loan for house repairing and construction . 5) Business plan and start the small entrepreneur 6) Linkages with Bank under Pradhan Mantri Mudra Loan schemes 7) Risk assessment and development plan.
- Bank loaning for farming session:** During the period of April to September 2020, received total 2 Corer 40 Lakhs bank loaning to 112 SHGs.
- Government & Other Funding Projects:**
- Eshakti Project under NABARD: Objective:** 1) Proper data entry and book keeping 2) Easy bank loan process 3) Good networking with NABARD and government agencies. 4) SHG members join to Social security (PMJJY, PMSJY, APY).



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- **Joint Liability Groups Project (JLG):** Livelihood promotion through the Joint Liability Groups (JLG Project) under VKGB & NABARD Chandrapur: During the year total **75 new JLGs** has formed and total no.of **250 women** members have covered to started the IG activities.
- **Establishment & Formation of FPO Project:** (Safalya Women Farmer Producer Company): NABARD has sanction the project of FPO. The project purpose is establishment & Formation of women FPO for sustainable SHG business.

**Program components:**

Activity	Sub Total ( April to September 2020 )	
	No. of activities	Total Participants
New SHGs formation	12	127
Awareness sessions for new SHGs	78	657
Concept training for new SHG	2	21
SHG conducted regular meeting on monthly	197	2224
Internal & External Exposure visit for toilet construction work SHG members	2	8
Social activities through the SHGs( Plantation and Rally)	3	14
Development of SHGs ( Federation meeting )	4	22

- **Plantation & Safety awareness program:** ACF did not do the work with women for only financial sustainability but also do the work with social development & responsibilities of our society. SHG women have participated in plantation work, HIV / AIDS awareness, Rain Water Harvesting, Two pit toilets, Use of Safety PPEs, and Safety related work at village level. They know very well this is for what? 'Safe & health life' under social activities SHGs has involved many types of social program and they organized Savitribai Fule jayanti, Makarsankranti Programs & safety awareness program. The impact is 22 SHG members have purches Helmet for her husband and continues homering for use of safety kit on farm practice and use helmet when they drive.

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**Ambuja Cement Foundation (ACF)**  
**Health Program – April to September 2020**

At present Health program operates in 66 villages across the 3 blocks namely Korpana, Rajura and Jiwati. Keeping approach of Integrated Health Program. At present no. of 60 Sakhis associated with us and reaching out to 7793 house-holds by covering population 36589.

1. **Clinical Health Service:** This service has been providing through the Community clinic. ACF has decided mobile van service discontinues on 1<sup>st</sup> December 2019, and establish new 12 clinics in our area. This year first quarter completely lock down due to COVID epidemic, So we have don't started all community clinics. End of the September month we have started total six clinics old two and new four. Good respond to Community clinics in our core villages, villagers has paid amount for medicine before the clinics ACF has given medicine free of cost. **Covered total no. 258 of patients from reporting period and collect community contribution from medicine and other cost is Rs. 22049 this is good achievements.**

Name of Village	Total Round	Patients								Medicine Amount Rs.	Fess Rs.	Total Amount In Rs.
		Male	Female	Child ren	Total	Hb test	Rs.	Sugar	Rs			
Wadgaon	5	14	31	00	45	03	120	02	70	3346	200	3736
Sonurali	07	06	37	01	44	05	175	04	120	2630	210	3335
Kusal	07	21	09	04	34	00	00	00	00	2700	285	2985
Hardona khurd	06	12	26	07	45	00	00	00	00	3576	340	3916
Isapur	08	06	29	04	39	00	00	03	90	3724	390	4204
Upparwahi	07	20	24	06	50	01	35	00	00	3598	240	3873
<b>Total</b>	<b>40</b>	<b>79</b>	<b>156</b>	<b>22</b>	<b>258</b>	<b>9</b>	<b>330</b>	<b>09</b>	<b>280</b>	<b>19774</b>	<b>1665</b>	<b>22049</b>

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**Community Clinic Upparwahi**



- 2. Maternal & Child Health Project:** Under MCH program we are done following activities

ANC Check-up Camps - 01

Treated pregnant mothers: 56

Paediatric Camps - 00

Treated Children: 364

Total deliveries: 53 Institutional Deliveries: 52

Percentage of institutional deliveries is 99.11 %

- 3. Non-Communicable Disease:** The major emphasis is on community awareness and education, facilitating screening early diagnosis and treatment, and improving utilization of NCD health services. Under this project we are done following activities

**NCD Awareness program & NCD camp**





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Sr. No.	Activities	No of program	No of participants
1	Community meetings	724	12925
2	Screening camps Diabetes & hypertension	04	178
3	Nutrition Awareness program	90	1026
4	Lifestyle management sessions	264	2592
5	Total NCD Patients – Diabetes, Hypertension & Cancer	1506	
6	Referrals for future diagnosis and treatments	498	

**4. Communicable Disease project:** Under this project we are organized awareness session on Malaria, & Tuberculosis. Total session is 345 there were participants 4723

**5. Total Sanitation Project:** Under Total Sanitation project following activities had done

1	Total awareness session with community	208
2	Total Participants in Awareness sessions	4723
3	Soak Pits installation	27
4	Toilets installation and maintain	236

**6. APEKSHA Project:** Under this program following activities has done

- Number of PEER Educators trained : 158
- Village Level APE Trainings: 08
- APE trained : 89
- Awareness sessions conducted by APE – 17 Participants: 108

**7. Anemia Control Program:** Under this program following activities has done

- HB testing camps: 00
- Awareness session with students:

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- Pretest data of anemic cases:

**8. Menstrual Hygiene Management Project:**

This year we have started the MHM (Menstrual Hygiene Management) Project has started. Under this project our target is women and adolescent girls. We have focus 12 Core villages for these interventions.

- Adolescent groups formed : 55
- MHM Champions : 56
- Awareness session: 96
- Participants : 529

**9. Chronic Obstructive Pulmonary Disease (COPD) Project:**

This is ASHWAAS project funded and supported by Cipla Foundation where Chest research Foundation is a technical partner, ACF is also supporting and implementing this project in 48 villages of Chandrapur districts. ASHWAAS project is designed for prevention of Obstructive airway diseases and promotion Behavior change to prevent risk factors and exposure of COPD and Asthma, implementation through the front-line workers called as Sakhis. Early identifications and screening of people by visiting every households with peak flow testing and diagnosis by providing services at community clinics is main aspect of this project. Community clinic will play an important role in demonstrating community model in addressing NCD with COPD Asthma as major focus.

Under this project we have implement the COVID interventions because Covid-19 disease is lung related problem Cipla Foundation has provided the support for purchase Oxygen Concentrators and Oxygen cylinders. We have hand over 2 Oxygen Concentrators to Dedicated Covid Health Centre, Rajura and 1 Oxygen Concentrators to Rural Hospital, Gadchandur. 01 Ventilator donate to Government health department Chandrapur.





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## COVID Activities;

Activities	Total Number of Activities	Participants
Survey – Pulse oximeter and thermometers	1698 HHs	8490
Home visit by Sakhis – NCD patients/High risk patients	3800	
Total SPOCS		950
Awareness meeting	131	2414
Awareness program – Mask Use Hand washing, home quarantine, Social distancing	374	8521
IEC Printing and distribution	7000 Pamphlets	
Hoardings/Banners	112	
Mask Distribution Through the ACF and GP	48	5456
Soap Distribution Through the GP	48	5734
Food Kit distribute through the ACF	2000	
Mask Preparation	26 SHG	25900 Masks
Survey	66 Villages	7500 HHs
PPE Kits provide to PHC and RH	500 Sanitizer	PPE Kits provide to PHC and RH





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## QUALITY EDUCATION PROGRAMME – April to Sept. 2020



Under the Education Program, ACF focuses mainly on Material support to pre primary and primary, capacity building program of Anganwadis, Teachers and SMCs, Development of TLMs with school children and teachers, capacity building of Balmitras organizing academic, sports and cultural events to avail platform to school children's to show case their hidden talents through school management, help to get basic amenities like drinking water, toilets, e-learning teaching learning material.

Coronavirus Disease (COVID-19) outbreak poses serious concerns to global education systems. Efforts to contain COVID-19 prompted unscheduled closure of schools. Education programme strengthens SMCs through Capacity Building trainings, reviewing their meetings and building awareness about their roles and responsibilities to safe environment of children. Through various activities like virtual parents' meeting, in SMC workshops, to other schools ACF ensures good functioning of SMCS. Further, regular home visits and capacity building training about their roles and responsibilities ensures active participation in pandemic situation and community and SMCs contribution in





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developing safe environment like physical education, awareness activities, and online education support and so on and e-learning tools helps children's regular studies.

For the past few years ACF is closely working with Education department and also collecting community contribution for infrastructural, basic amenities and teaching material support like e learning tools, library and so on.

**Conceptualized an initiative in partnership Project:**

- ✚ In the education programme ACF has collaboration with Principal Secretary, Government of Maharashtra School Education & Sports Department Mumbai-40003 paraded of MoU is 2017 to March 2020
- ✚ Rotary foundation and local Rotary club of Hirai Chandrapur pared of MoU 1 June 19 to April 20
- ✚ MoU with Door step NGO school in Pune and to teach the Jiwati area students they implemented a language program in 6 villages and 360 students were profited and was till March 20 and because of this it benefited the tribal students and also helped to get them into mainstream.

**Reach out**

Year	2001-6	2006-11	2011-16	2017-20	April 20
Village	5	25	30	90	22
Schools	5	25	30	90	22
Students	530	1500	1689	5198	1632

**Activities done in six months**

- ✚ Baseline survey was done mainly on WASH, Library books and Spots promotion.
- ✚ Capacity building of teachers virtual through need based training and workshop like pedagogy of online teaching and WASH in the Month of April 15 days and , One day training 1st and 15th Oct. for WASH and New education policy and Maze Kutumb Mazi Jababdari 55 teachers from 35 schools
- ✚ Mobilization of SMCs 8 training with committees done in June 2020



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- ✚ Conducted school level co-curricular activities reading development activities in 5 Upp. Primary schools of 126 children were involve from Rajura and Korpana Blocks
- ✚ Support classes stated in 3 schools and 180 children enrolled.
- ✚ CAMPION "Maze Kutumb Mazi Jababdari" Drawing and speech competition done in 5 Upp. primary school children
- ✚ "Global handwashing day" "Handygiene for All" Campion celebrated on 15th Oct. WASH and Covid -19 method of hand washing demonstrated by children
- ✚ "Vachan Prerna Divas" 15th Oct. 20 promotes book reading on Kalam's birth day done in Pimpalgion Upp. Primary school
- ✚ Plantation done in 4 ZP schools collaboration with Rotary club
- ✚ Under construction of toilets and hand wash station in 3 schools
- ✚ The 8 Schools water testing sample sent to the government. Lab Chandrapur
- ✚ Teachers were participated Online course and quiz for Covid 19 awareness also certificate received
- ✚ ACF education person attending many webinars and now guide the villagers, parents and students
- ✚ NATION BUILDER AWARD 2019-20 recognizing outstanding 23 teachers awarded on 15th Sept. 20
- ✚ "International day of Girl" child Webner for girl education done on 11th Oct. 20
- ✚ JCI award for outstanding work in the education and social work on 24th Sept. 2020 to ACF
- ✚ Sakal and Sam TV covered ACF work in tribal education on 2nd of June 2020
- ✚ Partnership and alliance with RILM India and Rotary club Chandrapur
- ✚ Community ,children become aware of corona and practiced the habit of using mask washing hands and social distance

**Observations:**

- From 2001-2006 in 5 core villages, school support programs were taken in 5 schools and the no. of students who participated were 530, main was infrastructure and educational aids.
- From 2006-2011 in 25 villages from which some were core villages and other villages, school support programs were taken in 25 schools where 1500 students participated, main was infrastructure and educational aids.



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- From 2011-2016 in 30 villages from which some were core villages and other villages, school support programs were taken in 30 schools where 1689 students participated, main was infrastructure and educational aids.



- From 2017-2020 in 90 villages from which some were core villages and other villages, school support programs were taken in 90 schools where 5198 students participated, main was more improvement in the infrastructure, basic amenities and educational aids
- The villages were expanded into the mines areas, hence, the schools also were constructed, Bhojegaon, Yekodi, Koutala and Nangaonsurya these were the villages where drinking water, sanitation, paver block, building reconstruction and stages due to these 3 schools from these became ISO schools.

**Outcomes of programme:**

- Increase 100% school in 100% enrolment and attendance
- Effective classroom process and teacher's effectiveness
- Teachers capacity building to training and school demo
- Learning assessment and children achievement school gradation of C' to A' 85% schools
- Empowerment of SMCs (School management committee) 75% schools
- Networking and collaboration with Govt. and NGOs

**Impacts:**

These interventions are expected, among other things, to result in following impacts:

- Higher attendance of children in the school
- Higher retention (or lower dropout) rate
- Improved learning levels of children
- Enrolment beyond primary levels (that is, beyond 8<sup>th</sup> standard)
- Childrens are studing on online education

**ISO schools certify:**

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- From 2015-2017, 19 schools became ISO schools. These were from Rajura and Korpana block from 90% of core villages.



- April 20 the 13 schools became ISO certify.

#### *New initiatives for expansion of program*

ACF has started a gap analysis on WASH program which is being conducted core villages at school level since April 20. Along with WASH program, physical activity and sports promotion will also be introduced at 15 schools in 20-21 in first phase. The selection of schools will be done on availability resources like playground, physical teacher and strength of children in that school. All core school will get cover under this intervention in phase wise manner.



#### **Watershed development programme: Rotary Foundation**

- The Rotary International (RI) contributed 28 lakh for the watershed program which was done in 100 hector area at a core village named Manghi Bu. and work in progress.



**Skill Development Program: (SEDI) – Apr to Sept-2020**

Skill & Entrepreneurship Development Institute (SEDI) started in 2008 for imparting employable skill to the local youth under Skill & Entrepreneurship Development Institute (SEDI) initiative of Ambuja Cement Foundation. Our main objective is to impart skills to the rural youths to generate sustainable livelihood. AITC is having courses for two years duration like Fitter and Electrician and one year course welder affiliated with NCVT. The certificate courses like Electrical Assistance and Carpenter are affiliated with State Council of Vocation Training. SEDI catering short duration courses like Assistant Electrician, General Duty Assistant (GDA), Fitter Fabrication, Assistant Manual Metal Arc Welding (AMMAW), Manual Metal Arc Welding (MMAW), Assistant Mason and Soft Skill.

**Coverage Area:** Our coverage area of ACF location are basically Gadchandur, Rajura, Korpana, Jiwati & Chandrapur block. This is the area where rural community faces major challenges related to land alienation, poverty & indebtedness, health & Nutrition, education, poor infrastructure and Vocational Training.

**Process:****Pre-training -**

- Ensuring placement linkages
- Need assessment
- Community mobilization

**During Training -**

- Networking for Guest lectures, Ensuring quality training and Soft skill and Basic computer is Main aspects

**Post Training -**

- Hand holding support for two years for Placement
- Tracking and Career Progression of each trainee for two years

**Value Addition:**

- Functional English Training
- Basic Computer Training
- Life Skills Training
- First Aid Training
- OH & Safety Training are part of every Training Program
- Mock drills for safety.



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- Exposure visit

**Courses in ITI mode:**

- Fitter- Duration-24 Months
- Electrical- Duration- 24 Months
- Welder- Duration-12 Months

**Short Duration courses:**

- Assistant Electrician – Duration- 3 Months
- Manual Metal Arc welding - Duration -3 Months
- GDA (Basic Nursing) – Duration- 6 Months
- Assistant Manual Metal Arc Welding – Duration - 2 Months
- Fitter Fabrication – Duration – 4 Months

**Highlights of the SEDI:**

- SEDI discovered Online Virtual classes through Google meet & Zoom app in this crucial pandemic period of COVID-19.
- SEDI AITC is running 100% online training of all ongoing batches.
- SEDI discovering spark of entrepreneurship in trainees & motivating till date 25% of the trainees are self-employed.
- Institute catering Industrial demand driven Long Duration Vocational Training as well as Short Duration Certificate courses.
- Compulsory Life Skills Training, Spoken English as well as Computer Education for all Trainees and main focus on OH and safety.
- Focus on Quality with value added Education.
- Institute developing skills with facilitating placement & 68 % is cumulative placement.
- Specially concentrating overall Personality Development through various extracurricular activities.
- Developing leadership for ownership of the Institute in Trainees through Trainee Leaders through involvement in various administrative committees.
- Encouraging girls for male dominated courses and male for female dominant courses.
- Reaching to poorest of the poor families by generating funds for skill development training to sustain their livelihood.



## Ambuja Cement Foundation (ACF)

## Networking Partners &amp; Funding

- NABARD



- NSDC



- GRUH Finance



- NSFDC



- MSSDS



## Partners:



## Placement process:

- High Demand in Market- Placement Opportunities
- General duty assistant (GDA) are in high demand in private Hospitals, Nursing Homes, Clinics & Dispensaries
- Scope to become Asha Health Worker in Govt. Scheme
- Knowledgeable Health Messenger at village level

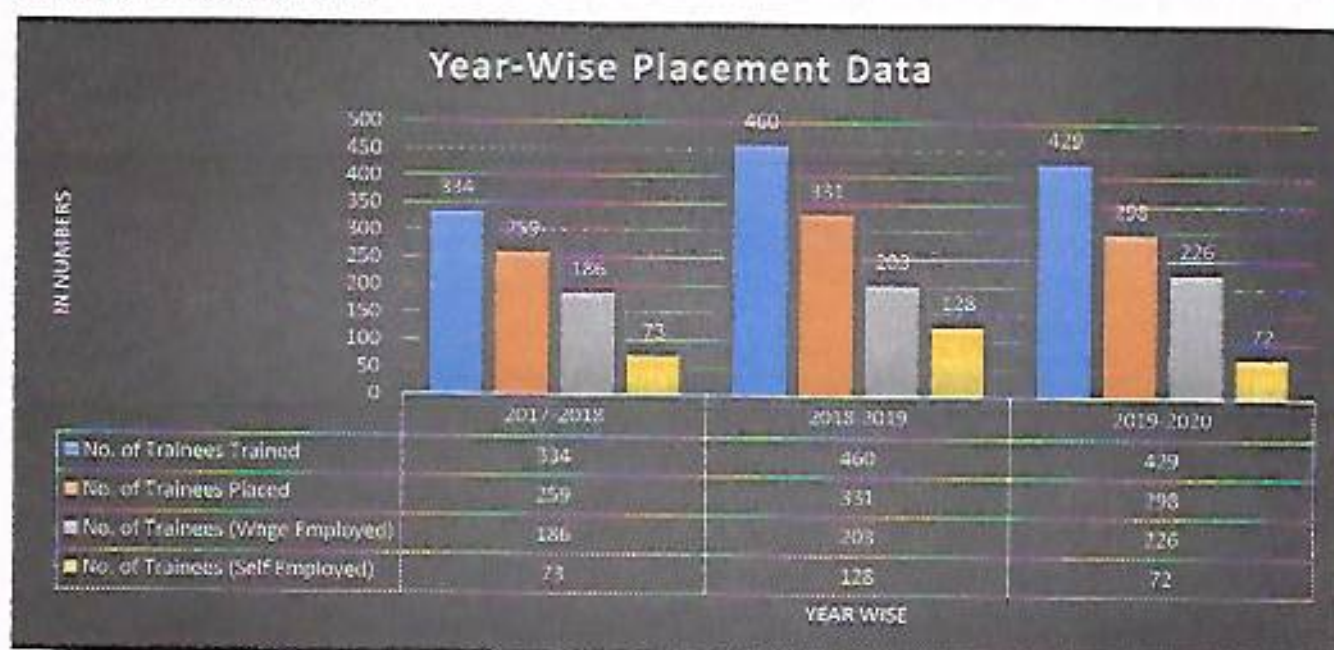
## Year Wise Progress – April - 2008 to Sept – 2020:

Sr.No.	Financial Year	Cumulative Training Details				Cumulative Placement Details							
		No of Batches	No. of trainees			Self Employed			Wage Employment			Grand Total	Placement %
			Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	2008_09	3	42	0	42	10	0	10	20	0	20	30	71.43%
2	2009_10	5	75	0	75	22	0	22	26	0	26	48	64.00%
3	2010_11	7	146	0	146	22	0	22	65	0	65	87	59.59%
4	2011_12	3	53	0	53	29	0	29	7	0	7	36	67.92%
5	2012_13	10	213	5	218	87	0	87	70	1	71	158	72.48%
6	2013_14	12	238	26	264	74	0	74	64	16	80	154	58.33%
7	2014_15	7	118	19	137	24	0	24	60	10	70	94	68.61%
8	2015_16	13	259	77	336	30	0	30	162	49	211	241	71.73%
9	2016_17	14	221	90	311	70	0	70	64	60	124	194	62.38%
10	2017_18	16	239	95	334	71	2	73	124	62	186	259	77.54%
11	2018_19	22	328	132	460	111	17	128	120	83	203	331	71.96%
12	2019_20	23	256	173	429	61	11	72	96	130	226	298	69.46%
Total		135	2189	617	2805	611	30	641	878	411	1289	1930	67.95%

**Ongoing Batches:**

S. No	Job Role / Trade Name	Batch	Duration		Enrolment Data			Dropped-out			Perusing Trainees		
			Start date	End date	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Assistant Electrician Level 3	AE-BAN-02	25-Sep-2020	24-Jan-2021	23	0	23	0	0	0	23	0	23
		AE-NSFDC-03	15-Sep-2020	14-Dec-2020	19	3	22	0	0	0	19	3	22
2	Electrical ITI	ELE-ITI-01	01-Apr-2020	31-Jul-2021	20	0	20	0	0	0	20	0	20
3	Fitter Fabrication Level 3	FF-BAN-01	15-Sep-2020	14-Jan-2021	23	0	23	0	0	0	23	0	23
		FF-NSFDC-02	01-Oct-2020	31-Jan-2021	6	10	16	0	0	0	6	10	16
4	Fitter ITI	FT-01	01-Apr-2020	31-Jul-2021	20	0	20	0	0	0	20	0	20
5	General Duty Assistant Level 4	GDA-BAN-01	17-May-2020	16-Nov-2020	1	14	15	0	2	2	1	12	13
		GDA-NSFDC-02	15-Sep-2020	14-Jan-2021	0	20	20	0	0	0	0	20	20
Total					112	47	159	0	2	2	112	45	157

**Year-Wise Placement Data:**





***New Initiative:***

- *SEDI-AITC discovered Online Virtual Training in this crucial pandemic period of COVID-19.*
- *100% online classes is conducted through Google meet & Zoom app.*
- *SEDI-AITC also provided On Job Training (OJT) to trainees.*
- *Involvement of male in nursing trainees.*
- *Networking with industries for placements.*
- *Organized campus interview.*
- *Creation of working models in various trades.*
- *Fund raising from NSFDC and GRUH Finance Ltd.*

***New Projects:***

- *NSFDC*
- *Bandhan Bank*
- *NABARD*
- *During FY- 2019-20, 406 Trainees were trained out of 331 Is placed.*
- *From Apr 2020 to tillSept2020, 135 Trainees were trained and 157 are ongoing.*

***SEDI has upgraded its Infrastructure & extended facilities:***

- *Training on welding simulators.*
- *Initiated career Counselling center for trainees.*
- *Started the placement cell for trainees.*
- *Purchase CNC Machine to provide advance Training.*

MCW/EMD/19/2020/ 204

September 17, 2020

To,

Ministry of Environment & Forest & CC  
Regional Office (WCZ), Ground Floor  
East Wing, New Secretariat Building,  
Civil Line, Nagpur-440001

Sub: Submission of Ground Water Level

Ref: As per specific Condition of the following EC

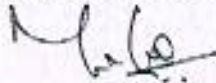
1. EC NO J-11015/399/2006-IA II(M) dtd 29.06.2007
2. EC NO J-11015/400/2006-IA II(M) dtd 29.06.2007
3. EC NO J-11016/11/2004-IA II(M) dtd 06.01.2005

Dear Sir,

Please find enclosed herewith the Monsoon season (August 2020) Ground Water Level of surrounding area of Maratha Lime stone mine. This is as per the specific condition no (x) of above referred EC no 1 & 2 & (vii) of EC no 3.

We hope that you will find this information in order please.

For, Ambuja Cements Ltd.  
(Unit: Maratha Cement Works)



M. Sanjeeva Rao  
Authorized Signatory

CC: Member Secretary,  
Central Ground Water Authority,  
West Block 2, Wing 3 (Ground Floor),  
R K Puram, Sector 1,  
New Delhi 110066

Regional Director  
Central Ground Water Board  
N.S. Building, Civil Lines,  
Nagpur-440001 (Maharashtra)



**Ground water Level Measurement Report**  
**August 2020 (Monsoon)**

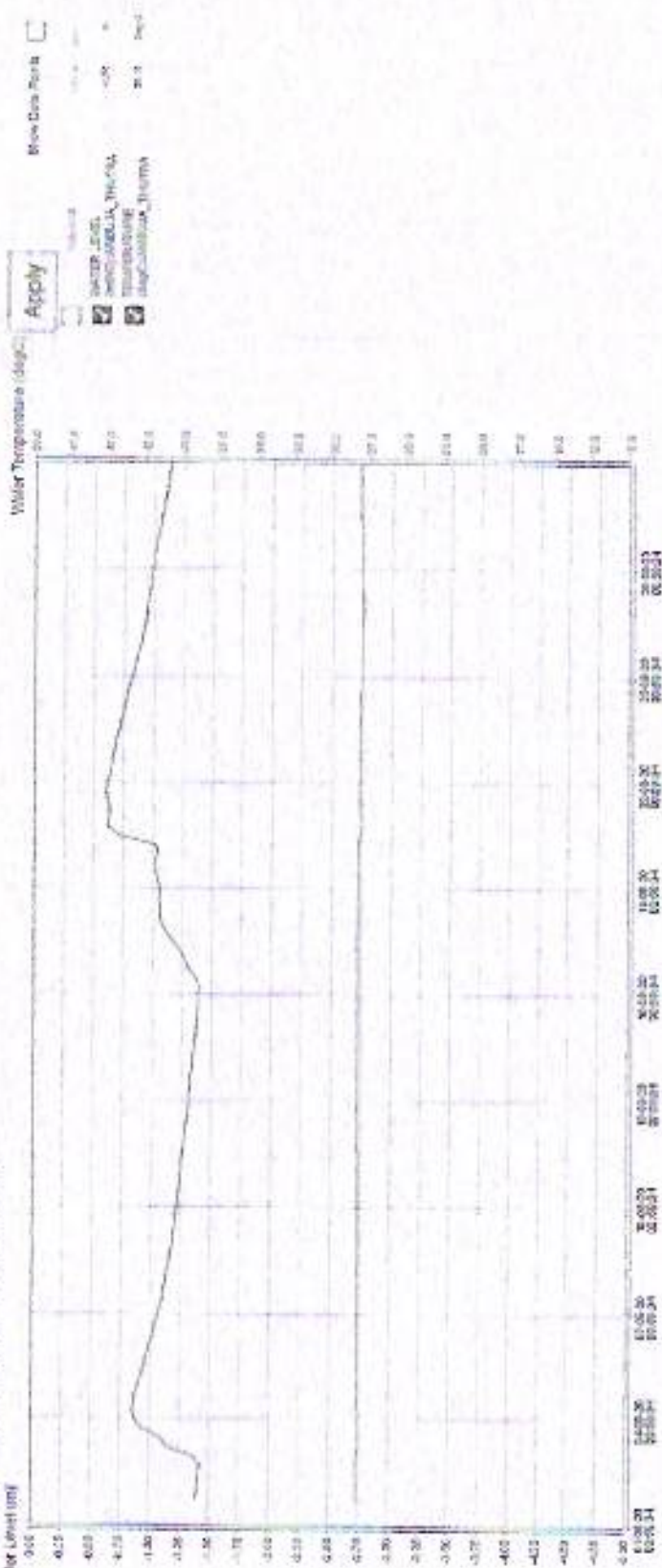
Sr. No.	Name of village	Location / Landmark of well	Location Code	Water Level ( In Meter)
1	Panchgaon	Near Barikrao Atram House (Common Well)	VDW1	-0.8
2	Bhendwi (Gereguda)	Sheikh Rajjak agricultural land (Personal well)	VDW2	-0.2
3	Hirapur	Near Jaitu Meshram House (Common Well)	VDW3	-1.8
4	Sonapur	Near Gram Panchayat (Common Well)	VDW4	-3.3
5	Pandharpaoni	Near Laxshman Pendorer House (Common Well)	VDW5	-2.6
6	Chandanwahi	Near Nanji Darekar House (Common Well)	VDW6	-1.9
7	Pimpalgaon	Near Wasant Lohe (Private Well)	VDW7	-1.0
8	Thutra	Near Bobade's House (Private Well)	VDW8	-0.6
9	Upparwahi	Near Santosh Hanumante House (Common Well)	VDW9	-0.5
10	Mangi (Big)	Near Mata Temple (Common Well)	VDW10	-3.0
11	Mangi	Sawkar Well	VDW11	-3.5
12	Hardona (Khurd)	Near Ramesh Zade house	VDW12	-3.0
13	Gadchandur	Near Premchand Borkar House (Common Well)	VDW13	-1.0

1/10/20

5/17/2020

Board's Rise Depth Graph (Psi...)

AMBLIA\_T1017RA: Ground Water Table and Borehole Pressure  
Ground Water Level (m)



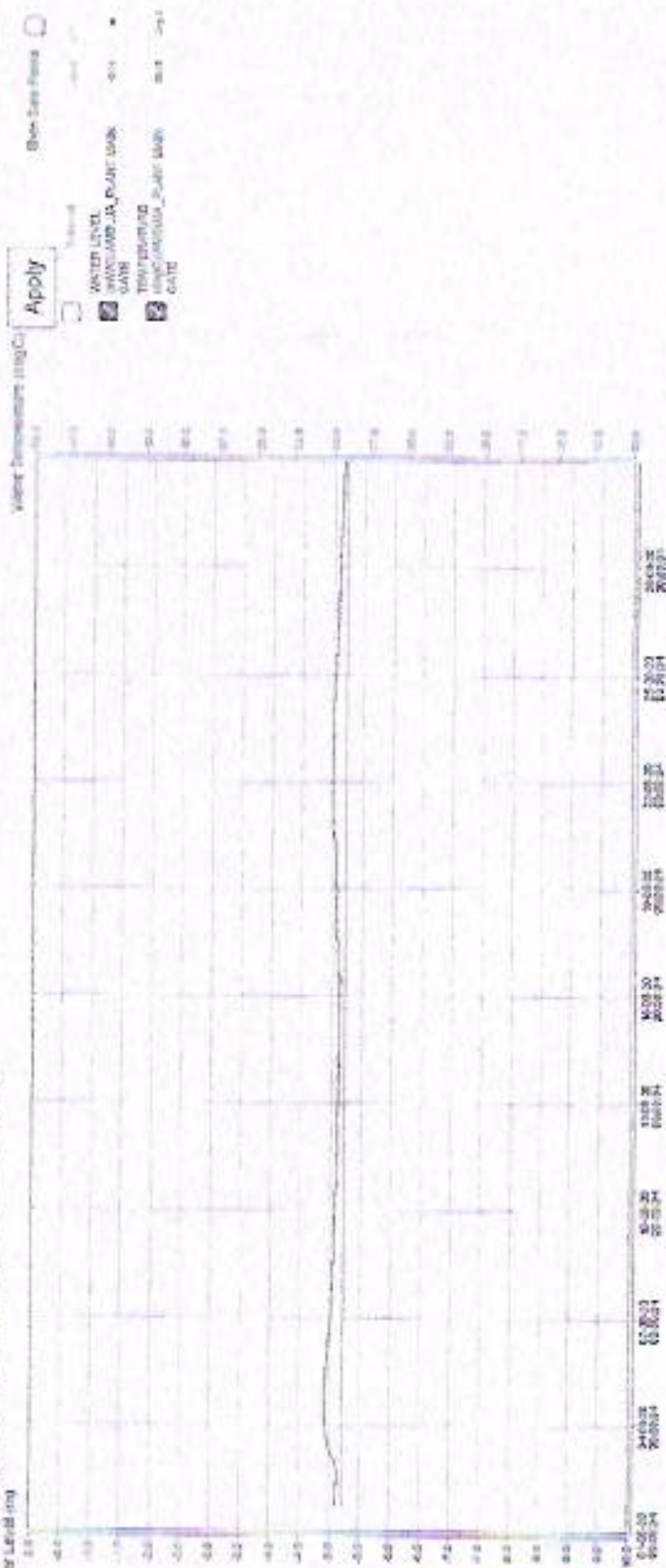
WATER



9/17/2020

Excelled File Draw Graph Print

ADDISIA\_PLANT MAIN GATE Ground Water Table and Discharge Pressure  
Ground Water Level (m)



WPR

6/17/2020

Exceeds Run Depth Graph (F)

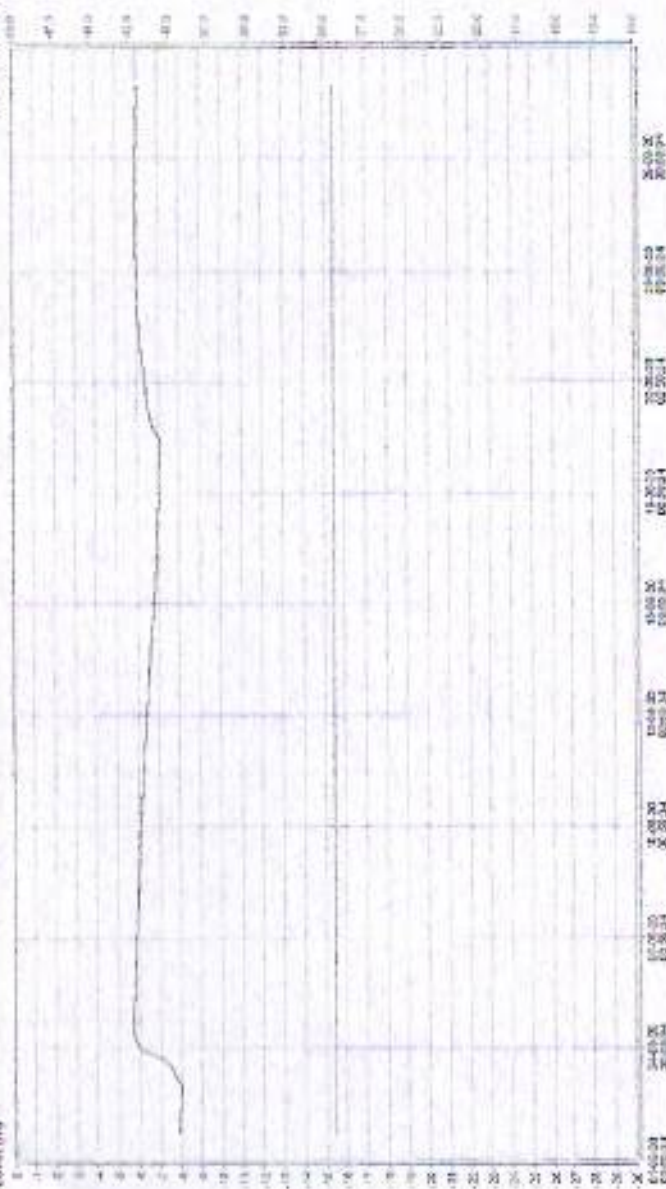
AMBULIA\_MAGAZINE AREA Coastal Water Tide and Barometric Pressure  
Ground Water Level (mg)

Water Temperature (degC)

Apply

Draw Data Name

☐ ACTION LEVEL  
☒ FLOODING AREA\_MAGAZINE 42765 40  
☒ TIDE/COASTLINE 11-4 11-4  
☐ MAGAZINE\_MAGAZINE 11-4 11-4



WBE



9/17/2020

ABDULLA\_NEAR\_CEMENT\_MILL\_Ground Water Table and Temperature Plotting  
Ground Water Level (m)

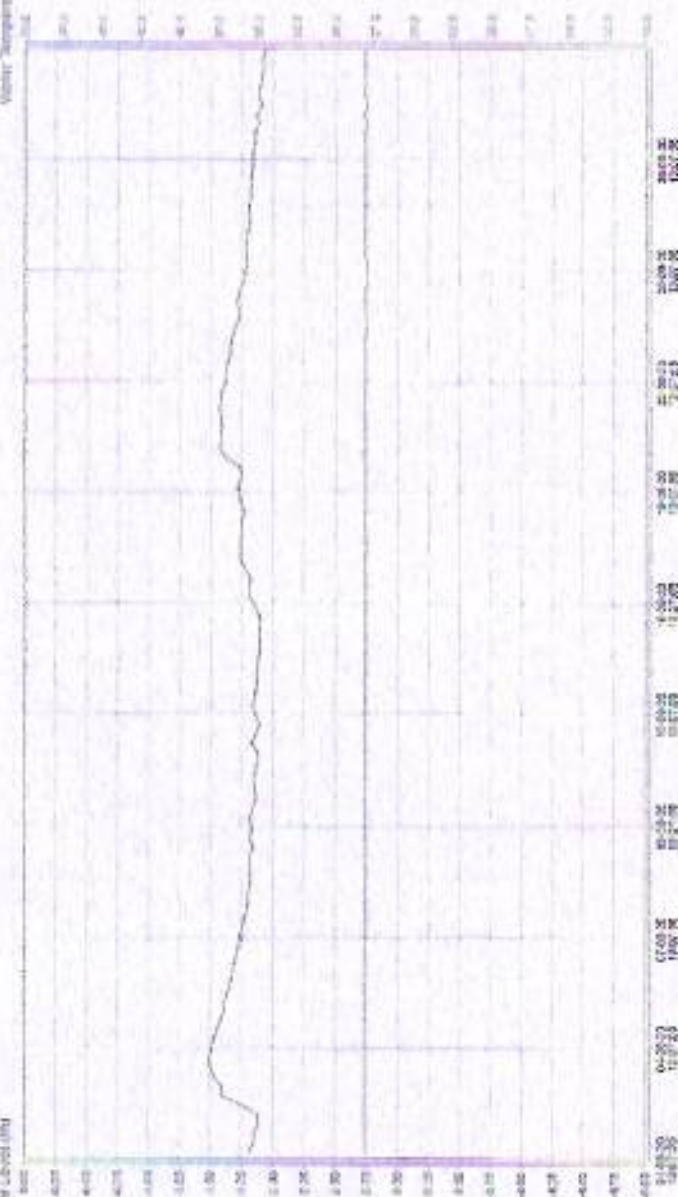
Exceeds Plot Depth (m)

Water Temperature (degC)

Apply

☐ WATER\_LEVEL  
☒ EXCEEDS\_DEPTH  
☒ TEMPERATURE  
☒ ABDULLA\_NEAR\_CEMENT\_MILL

☐ Show Data Range



WPD

**Sewage Water Reclamation Plant**

We have installed SWRP (Sewage water recirculation plant) with concept of treating & 100% recycling of domestic sewage water. It is a regular practice at ACTL to recycle 100% treated water for process usage. It reduces the burden on water supplying agencies and indicates our environmental commitment.





**Ambuja Cements Ltd.**  
 (Unit: - Maratha Cement Works, Upparwahi)  
**Air Quality Monitoring Results**  
**For Captive Limestone Mines, Cement Plant and Captive Power Plant**  
**Six Monthly Average Values of Ambient Air Quality**  
 (From 1<sup>st</sup> April 2020 To 30<sup>th</sup> September 2020)

Sr. No.	Location	Distance From Plant (km)	Direction w.r.t. Plant site	Ambient Air Quality Results ( $\mu\text{g}/\text{m}^3$ )			
				PM2.5	PM10	SO <sub>2</sub>	NO <sub>x</sub>
1	House ( L- Type)	0.5	E	18.44	50.04	7.38	18.28
2	Guest House (Near Bachelor Accommodation)	0.5	SE	19.28	52.76	7.64	20.05
3	L.S. Crusher	0.1	W	22.17	54.78	9.60	20.87
4	Near magazine Section	1.5	SW	17.66	50.46	6.31	17.72
5	Near Water Pond	2	NW	17.80	50.02	7.21	17.82

Note: - All the values are Monthly Average Values.

Ambuja Cements Ltd.,  
(Unit: Maratha Cement Works)

New Water Tanker with Sprinkling System for Dust Suppression in Haul Roads, It uses 10% water less than conventional water tankers. Dumper converted into Water Sprinklers with fogging arrangement.





### Water Sprinkling System

Water tankers have been engaged for sprinkling water to control the fugitive dust at Mines Haul roads. MCW has installed automatic dust suppression system at limestone & coal dump hoppers, stacker reclaimers, and at coal handling systems.



**Ambuja Cements Ltd.**  
 (Unit: - Maratha Cement Works Upparwahi)  
**Fugitive Emission Monitoring Results**

**Six Monthly Average Values of Fugitive Emission Monitoring**  
 (From April - 2020 To September - 2020)

Sr.NO.	Location	SPM in ( $\mu\text{g}/\text{M}^3$ )	CPCB Standard ( $\mu\text{g}/\text{M}^3$ )
1	Limestone stockpile area	832	5000
2	Near Mines Site Office	902	
3	Mines Haul Road	1354	
4	Near Limestone Crusher	1121	

Note :- All the Values are Monthly Average Values.



**Ambuja Cements Ltd.**  
 (Unit: - Maratha Cement Works Upparwahi)  
**Noise Level Monitoring Results**  
**For Capacity Lime Stone Mines, Cement Plant and Captive Power Plant**  
**Monthly Values of Noise Level Monitoring**  
 (From 1<sup>st</sup> April 2020 To 30<sup>th</sup> September 2020)

Name of Location	Near Water Pond		Near Magazine Area		Near Crusher		Along Roadside		Colony Area	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Month	*	*	*	*	*	*	*	*	*	*
Apr-20	*	*	*	*	*	*	*	*	*	*
May-20	42.6	40.2	41.4	40.5	68.3	66.8	41.5	40.4	46.7	45.3
Jun-20	43.7	41.5	40.7	39.2	69.1	67.4	41.9	40	45.5	44.2
Jul-20	44.3	42.4	41.5	39.3	68.6	66.6	40.7	39.8	44.3	43.6
Aug-20	44.8	43.7	42.7	39.8	68.0	66.3	41.5	39.2	44.7	42.7
Sep-20	44.2	43.1	43.6	41.4	68.5	67.7	40.7	39.1	43.2	42.1

\* Plant was under LOCKDOWN due to COVID-19 pandemic

Note: - All the Values are Monthly Average Values.