Ambuja Cement

ACL/RPL/ENV/92

28th September, 2020

Environmental Engineer
Punjab Pollution Control Board
Plot No. – 55 , Phase – II SAS Nagar
Mohali (Punjab)

Subject: Environmental Statement Report for the year 2019-2020

Dear Sir,

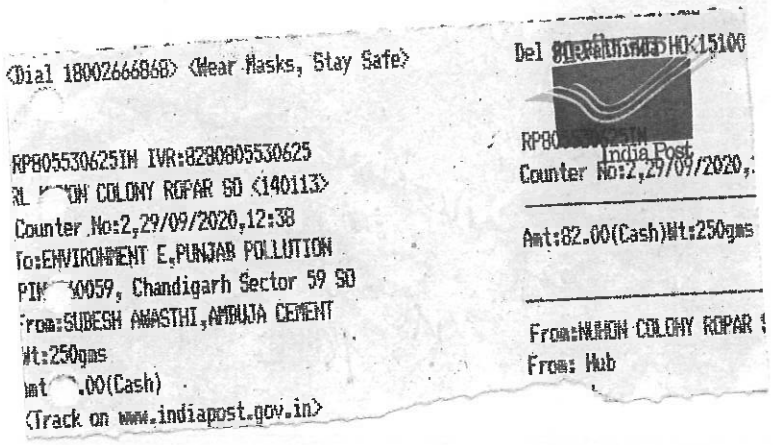
Please find enclosed herewith the Environment Statement Report for the period of April, 2019 to March, 2020 for our Cement Grinding Unit (3.4 MTPA) with Captive Power Plant (30 MW), as per the requirement under section 14 of Environment (Protection) Rules, 1986 amended till date.

Hope you will find the same in order.

Thanking You.

Yours Faithfully,

For **Ambuja Cements Ltd.**



Rajiv Jain
Sr. Vice President

Encl: As above

Cc: **Director**
Ministry of Environment Forest & Climate Change
Northern Regional Office, Bays No 24-25 Sector 31-A
Dakshin Marg, Chandigarh - 160030

Form – V

(See Rule 14)

Environmental Statement Report for the Financial Year ending on 31st March, 2020

PART - A

i)	Name & address of the Owner/occupier of the Industry, operation or process.	: Ambuja Cements Ltd. (Unit – Ropar) : Sh. Rajiv Jain (Sr. Vice President) : Near - GGSSTP : Vill. - Daburji, P.O. - Lodhi Majra Ropar – 140113 (Punjab)
ii)	Date of the last Environmental Statement report submitted.	: **28th September, 2020**

PART – B

Water and Raw Material Consumption

(I) Water consumption, M^3/day

i) Process (Cement Grinding)

Cement Plant Cooling : **25.26** m^3/day

ii) Captive Power Plant (30 MW)

Power Generation (107423167 kwh)
Condenser Cooling Water Consumption : **635.69 m^3/day**

Captive Power Plant (30 MW)

Power Generation Boiler Water Consumption : **28.99 m^3/day**

iii) Domestic:

(ACL Colony, Horticulture, Security Barracks and Supply to village Daburji)
: **358 m^3/day**

Name of the Product products		Water consumption per unit of	
		During the Previous financial year	During the current financial year
		1	2
CEMENT GRINDING			
No water is consumed in the process as ACL Ropar is a grinding unit based on dry process. However the water is used for the plant machinery cooling purpose only and consumption per Ton of Cement is:			
		3.21 Lt. /Ton	3.25 Lt. /Ton
POWER 30 MW	**i) DM Water**	0.11 Lt. /KWHr.	0.10 Lt. /KWHr.
	ii) Cooling Water	2.25 Lt./KWHr.	2.19 Lt./KWHr.

II) **Raw Material Consumption**

Name of raw Material	Name of Products	Consumption of raw material per unit of output	
		During the Previous Financial year	During the current financial year
Cement Grinding Section (3.4 MTPA):			
1)	Fly Ash	0.26	0.24
2)	Clinker	0.67	0.69
3)	Gypsum	0.07	0.07
Captive Power Plant (30 MW):			
1)	Rice Husk	0.09 Kg /KWHr	0.41 Kg/KWHr
2)	Coal	0.57 Kg /KWHr	0.44 Kg/KWHr
3)	Biomass	0.41 Kg /KWHr	0.23 Kg/KWHr*

Remark:
The list of chemicals consumed is attached as per **Annexure 1.**

PART – C

POLLUTION GENERATED

(Parameters as specified in the consent issued)

Pollutants	Quantity of Pollution Generated

A) Air (Particulate Matter):

(In terms of Dust loading to atmosphere from the Stacks)

	Pollution Load (Ton/Annum)	
Stack Attached to	**Previous Year**	**Current Year**
CM-1 (Bag Filter) -	1.21	1.57
CM-2(Bag Filter) -	1.82	1.91
CM-3(Bag Filter) -	1.62	1.67
CM-4(Bag Filter) -	1.78	1.85
O.Sepa-1 -	1.16	1.63
O.Sepa-2 -	1.82	1.91
O.Sepa-3 -	1.62	1.67
Packer -1 -	1.26	1.34
Packer -2 -	1.28	1.37
Packer-3 -	1.15	1.30
Packer-4 -	1.20	1.29
Boiler-1(ESP) -	1.87	2.13
Boiler-2(ESP) -	2.05	1.95
Boiler-3 (ESP) -	0.00	0.00*
Total -	21.02	20.21

Kindly refer **Annexure- 2.**

- * **Boiler No 3 is not in operation from last three year.**

B) Water:

1) Sewage Treatment Plant :

We are utilizing 100% STP treated water by using this as cooling tower make up of our Captive Power Plant, in coal dust suppression system. Hence, there is no pollution load of Sewage treatment plant. The STP Sludge after dry in two settling pond being used in our Ambuja Cement Foundation organic farm house / Horticulture purpose as a organic manure. The test report STP treated water quality is enclosed as per **Annexure - 3**

2) Effluent Treatment Plant :

Our ETP is zero liquid discharge plant. We using are using 100 % ETP treated water in condenser cooling process and dust suppression system. RO Reject water of ETP being treated through Force Circulation steam evaporator and ultimate reject of evaporator in the form of Slurry goes to sundry in ETP Solar Pond and thereafter ETP sludge ready for dispose. Hence, there is no pollution load of Effluent treatment plant. Final ETP Hazardous waste ETP Sludge under category 35.3 and Water treatment plant Resin under category 35.2 ,5.1 spent oil and 5.2 ,15.1 Asbestos and Under Category 33.1waste oil /Paint /Chemical drum container sent to Punjab Pollution Control Approved TSDF Site Nimbua Tehsil Dera Bassi Punjab. The test report of performance study of Effluent Treatment Plant (ETP) is enclosed as per **Annexure – 4**

(i) SPM CONCENTRATION (ug/m^3) IN AMBIENT AIR.

	Monitoring stations	Distance & direction From the Plant	Annual avg. of RSPM (µg/m^3)	Annual avg. of SPM (µg/m^3)
1.	Gunny Bag Go down	0.40 Kms. SSE	42.61	87.15
2.	ACL Colony	0.60 Kms. WNW	42.06	87.06
3.	Clinker Truck Yard	0.20 Kms. SW	43.68	87.83
4.	Bio Mass Storage Yard	0.65 Kms. WS	41.05	83.97
5.	ACL Labour Colony	0.70 Kms. WN	40.27	82.93
6.	Village Rattanpura	0.40 Kms. ESE	40.71	86.09

For Details Refer **Annexure – 5**

PART – D
HAZARDOUS WASTES

As specified under Hazardous and other Wastes (Management & Transboudary Movement) Rules, 2016

Hazardous Wastes	Total Quantity (Kg)	
	During the Previous Financial year	During the current Financial year
From Process		
a) Used Oil	5250 Kg	840 Kg .
Used Grease	8690 Kg	4830 Kg

b) Hazardous waste disposed off to Authorised Recyclers:

	(M/s Aggarwal Manuf. Co.)	
Used Oil	5460 Kg.	1050 Kg.
Used Grease	7140 Kg	6620 Kg

c) Balance stock as on 31.03.2020:

Used Oil	420 Kg.	210 Kg
Used Grease	3260 Kg	1470 Kg

d) Hazardous waste disposed off to Approved TSDFs Site Nimbua under category 35.2 :

Waste Resin	Opening Stock	Received	Sent	Balance Stock as on 31.03.2020
	0.830 Mt	1.6 Mt	1.98 Mt	0.45 Mt

e) Hazardous waste to Approved TSDFs Site Nimbua under category 15.1

Waste Asbestos

Opening Stock	Received	Sent	Balance Stock as on 31.03.2020
11.37 Mt.	0.00 Mt	6.90 Mt	4.47 Mt

f) Hazardous waste to Approved TSDFs Site Nimbua under category 33.1 Waste Empty Oil Barrel / Chemical / Paint Containers

Opening Stock	Received	Sent	Balance Stock as on 31.03.2020
0.561 Mt.	1.70 Mt	1.48 Mt	0.78 Mt

From Pollution Control Facilities

	2018-2019	2019-2020
1. ETP sludge Generation		
ETP Sludge under Category 35.3	35866 Kg	33900 Kg
2. ETP sludge sent for Disposal to TSDF Site Nimbua		
ETP Sludge	9280 Kg	51380 Kg
3. Balance stock as on 31.03.2020:		
ETP Sludge	39228 Kg	21750 Kg.

No hazardous waste is generated from Air Pollution control facilities; however the solid waste i.e. Particulate matter generated from the process is automatically recycled in the process through the APCEs.

E – Waste

Year	Opening Stock (Kg)	Generated (Kg)	Sale (Kg)	Stock (Kg)
April 2019 -March 2020	252.00	139.0	0.0	391

Bio Medical Waste

Year	Blue Bag (Kg)	Yellow Bag (Kg)	Yellow Bag (Discarded Medicine) (Kg)	White Translucent (Kg)	Red Bag (Kg)
April 2019 -March 2020	Nil	11.55	0.715	0.125	8.47

The above Bio Medical waste has been sent to Punjab Pollution Control Board approved Vendor M/s Rainbow Environments Mohali Punjab. The report of Bio Medical Waste Disposal is attached as per **Annexure 6.**

Battery Return

1 April 2019 – 30 September 2019 - Nil
1 October 2019 – 31 March 2020 - Nil

PART – E

SOLID WASTES

	Total Quantity	
	During the Previous Financial year	During the current Financial year
a) **From Pollution Control Facilities i.e. ESPs and BFs:**		
All ESPs, O' Sepas, & all Packers Bag filter	795839.7 MT	814391.90 MT
b) Quantity recycled or reutilized	795839.7 MT	814391.90 MT

All the solid waste i.e. Particulate matter generated from the process is 100% automatically recycled in the process through the APCEs.

PART – F

Please specify the characteristics in terms of concentration and quantum of hazardous as well as solid wastes and indicate disposal practice adopted for both these category of wastes.

1) **Hazardous Waste**

Used Oil	210	Kg.
Used Grease	1470	Kg
ETP Sludge	21750	Kg
Waste Resin	450	Kg
Waste Asbestos	4470	Kg
Empty Oil Barrel / Chemical / Paint Container	750	Kg

Disposal: The hazardous waste i.e. Used Oil, Grease and ETP Sludge generated from the process is stored in the Authorized Hazardous waste storage shed, permission for which has already been taken from PPCB. Used oil & Grease is sold to the authorised recyclers/vendors by CPCB, PPCB and ETP sludge has been sent to landfill site at Nimbua as per the provisions mentioned in Hazardous Waste (Management, Handling & Transboundary Movement) Rules.

2) Solid Waste

Around 27334.32 Ton Fly ash has been generated from the Power Plant which is 100% utilized in the cement manufacturing. However the solid waste (i.e. Particulate Matter) generated from the cement grinding as well as CPP is automatically recycled in the process by the various APCEs installed which in turn enhance the product economy.

PART – G

Impact of the Pollution Control Measures on conservation of natural resources and consequently on the cost of production

1. Around 642149.51 Ton Fly ash has been consumed for the period from April, 2019 to March, 2020 for Cement production. Since the inception of plant, ACL has consumed more than 145.76 Lac Tons of fly ash. In case, this quantity of fly ash had not been consumed by ACL and had been pumped by thermal power plant into dykes, it would have required additional more than 260 approximate acres of land for its disposal making it unfertile and useless. Also the same is highly polluting in nature and becomes easily air borne leading to air pollution in the vicinity areas.

2. Greenbelt plays an important role in the control of air pollution, noise pollution and also gives and aesthetic look to the site. This year we have planted various species to strengthen the green belt till March 2020 end and further we have planned more than 1500 species to sustain beyond 33 % green belt by rainy season end .Selected species of plants have been planted in and around the premises to control the fugitive dust.

3. Latest technology APCEs like pulse jet bag filters have been installed in the process to capture the dust covering all the point source of emission and material transfer points. There are four bag filters attached to the Cement mills and three ESP attached to Boilers to capture the particulate matter. Also 74 Bag Filters installed in the process at various material transfer points to capture the Particulate Matter having efficiency more than 99%.The material captured by the APCEs is automatically recycled in process, which in turn enhances the process economy.

4. Data of ambient air quality and seven process critical stacks data are transmitted to CPCB/SPCB Server.

5. Noise level in day and night time with in prescribed limit. The detail report of year is attached as per **Annexure 7**. Also we are further in process to develop the green belt so that existing level may further be reduced.

6. Procurement of Biomass from local farmers has been started through formed Roop Nagar producers Co. Ltd. The same is giving employment to local villagers.

PART – H

Additional Investment proposal for Environmental Protection including abatement of pollution.

EXPENDITURE PROPOSED

1) Approx Rs 1.86 Crore has been proposed budget for 2019-2020 by Ambuja Cement Foundation for well fare Activities, villager's community development & other activities. The details of expenditure 2019 – 2020 and proposed budget 2020-2025 are enclosed as **Annexure- 8 & 9**.

2) Proposed Budget for O & Maintenance cost of CPP ESP(2020-2021) - 2000000.0

3) Proposed Budget for Maintenance cost of Bag filter (2020 -2021) - 850000.00

4) Proposed Cost for Operation & Maintenance of Sweeping Machines – 2000000

5) More than 1000 tree plantation has been planned in the plant and colony area for the year 2021.

Any other particulars in respect of Environment Protection and abatement of Pollution.

1) We are using sewerage treated water as cooling tower make up water in our CPP & Coal yard dust suppression system to reduce the fresh raw water consumption. This will ultimately lead to the conservation of Natural resources.

2) Monthly housekeeping round is undertaken by the senior management to ensure proper housekeeping inside the plant. The house keeping being routed through planned inspection at site by zone owners.

3) Our Preventive Maintenance cell is dedicated for maintenance of all pollution control equipments. Heir prime focus is to improve the health of machinery and equipments.

4) World Environment day was celebrated at ACL, Ropar on 5th June, 2020 with full zeal and enthusiasm. Due to covid 19 pandemic online competitive events being organized in the plant and colony.

Expenses incurred under the various environmental protection head like Operation and maintenance of Sewage Treatment plant, Effluent Treatment plant, environmental monitoring etc. are listed below:

Captive Power Plant & Cement Plant

Operation & Maintenance Cost in Rs (Approx):

1. Power Cost ETP Cost (**Annexure 10**) - 606791
2. Power Cost STP Cost (**Annexure 11**) - 419666
3. Power Cost of CPP ESP (**Annexure 12**) - 1172041
4. Community Development (ACF) expenditure

   (April 2019 – March 2020) - 18664793

4	Operation & Maintenance Cost of ETP	-	3371928
5	Operation & Maintenance Cost of Bag Filter (CPP)	-	513130
6	Maintenance Cost of Cement Plant Bag Filter	-	1548354
7	Operation & Maintenance Cost of ESP(CPP)	-	1711112.0
8	Operation & Maintenance cost of Bag filter	-	659365.0
9	Environmental expenditure including Env. &Horticulture development	-	7846646.18
10	Operation & Maintenance cost for Sweeping Machines	-	3068441
11	Cost incurred for Calibration & AMC of Environmental Equipments	-	1000000
12	Cost incurred for Environmental Capex	-	215161244.57

OTHER ACHIEVEMENTS

1. Certified for Recertification Audit for the Integrated Management Systems (IMS) which includes Environment Management Systems (ISO: 14001-2015), Quality Management Systems (ISO: 9001-2008) and Occupational Health and Safety Management Systems (OHSAS: 18001-2007) is being scheduled in October 2020 by DNV.
2. Generated green power approximate 53745817 kwh has been generated around 52.16 % of total power generation for our own utility in cement plant by using agricultural waste bio mass Carbon neutral fuels.
3. Green belt is further strengthen by planting around 1500 tree in this year to sustain more than 33 % green belt area at project site .

4. Five Rain water Recharge structure made at nearby villages in Ghanuli ,Daburji Lodhimajra , Bela college Ropar of project site .
5. We have Constructed three check dam within the project area of 10 Km from Ropar plant in Munguwal & Chakarma Village for improving water level in the said locations and same will benefit to the local villages and improve the water level of surroundings.

   The said activity being done with cooperation of local district administration and our CSR Wing Ambuja Cement Foundation.
6. Our CSR initiative & action as mentioned in the Ambuja Cements Ltd Ropar Sustainability Report 2019 highlights as per **Annexure 13.**
7. We have installed 590 LED Lights in this year.
8. Kitchen waste is being treated through Organic waste Converter plant being converted into manure for further usages in Horticulture purpose.
9. Fly ash Dryer of capacity 1000 Mt/day has been installed for utilization of Fly Ash lying in open dykes. This action will further evacuate the land occupied by fly ash lying in open dykes and will reduce fugitive emissions and convert the land for future agriculture purpose.

Annexure 1

CPP (ETP&WTP) Monthly Bulk Chemical Consumption Report April 2019 to March 2020

Chemical Name	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Total Cons.	Total Cons. Ton/Annum
Dolomite (Kg.)	70.00	60.00	70.00	45.00	40.00	20.00	20.00	75.00	70.00	75.00	70.00	70.00	685.00	0.685
Hydrochloric Acid (Ton.)	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	5.28	5.28
Ferric Chloride (kg.)	7.00	14.00	14.00	14.00	7.00	14.00	14.00	14.00	14.00	14.00	7.00	21.20	154.20	0.1542
RO Antiscalant (kg.)	15.00	10.00	15.00	14.20	0.00	0.00	13.00	16.40	15.00	0.00	12.00	10.00	120.60	0.1206
INDFLOC- 442 (Polyelectrolyte) - Kg.	4.00	4.00	5.20	3.80	3.40	5.00	4.20	4.00	5.00	3.10	2.00	1.10	44.80	0.0448
Hydrated Lime (Ton)	0.60	0.36	0.40	0.12	0.92	0.72	0.36	0.52	0.48	0.56	0.40	0.40	5.84	5.84
Sodium Hypochlorite (L)	125.00	145.00	145.00	140.00	145.00	135.00	135.00	130.00	145.00	125.00	135.00	110.00	1615.00	1615.00
Dechloronation-7408 (SMBS)-Kg.	11.20	8.40	10.60	5.60	6.60	10.60	20.60	7.80	19.00	11.20	10.80	8.40	130.80	0.1308
Soda Ash (Kg)	150.00	200.00	150.00	100.00	200.00	200.00	150.00	150.00	200.00	150.00	200.00	150.00	2000.00	2.000

Annexure 2

AMBUJA CEMENTS LTD UNIT ROPAR

DUST RECYCLED BY THE VARIOUS APCES FOR THE YEAR APRIL 2019 - MARCH 2020

Sr. No.	APCE	Vol. Hand. Capacity (m^3/Hr.)	Running Hours of APCEs	Inlet Dust Loading (mg/m^3) (D/M)	Average Dust Emission (mg/m^3)	Recycled (Ton/Annum)	Efficiency of APCEs	Dust Load per Annum
1	CM Mill BF 1	36000	6534.35	334600	0.24	78710.11	100.00	1.57
2	CM Mill BF 2	36000	7631.20	334600	0.25	91922.31	100.00	1.91
3	CM Mill BF 3	36000	6693.00	334600	0.25	80621.14	100.00	1.67
4	CM-4	65000	7114.00	700000	0.26	323686.88	100.00	1.85
5	O'SEPA-1	48000	6534.35	100000	0.25	31364.80	100.00	1.63
6	O'SEPA-2	48000	7631.20	100000	0.25	36629.67	100.00	1.91
7	O'SEPA-3	48000	6693.00	100000	0.25	32126.32	100.00	1.67
8	Packer-1 (Stack 1)	48000	5354.95	100000	0.25	25703.70	100.00	1.34
9	Packer-1 (Stack 2)	48000	5354.95	100000	0.25		100.00	1.34
10	Packer-2	48000	5496.70	100000	0.25	26384.09	100.00	1.37
11	Packer-3 (1)	26000	5079.05	100000	0.25	13205.50	100.00	1.27
12	Packer-3 (II)	26000	5079.05	100000	0.26		100.00	1.32
13	Packer-4(1)	20000	5141.80	100000	0.26	10283.57	100.00	1.34
14	Packer-4(2)	20000	5141.80	100000	0.24		100.00	1.23
							750638.1	
13	Boiler - 1	75600	6866.75	62000	0.31	32185.67	100.00	2.13
14	Boiler - 2	75600	6735.00	62000	0.29	31568.14	100.00	1.95
15	Boiler-3(1)	144396	0.00	66000	0	0.00	100.00	
16	Boiler-3(2)	144396	0.00	66000	0	0.00	100.00	
							63753.81	20.21
						Total	814391.9	

Annexure – 3

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/ MoEF & CC Recognized
PPCB Approved/ OHSAS 45001:2018

Plot No.62, Janta Industrial Estate,
Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240 Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20289	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	STP Outlet
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/289
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.71	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	16	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	456	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27^{0}C 3 days, mg/L	12	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	32	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	04	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

Note: ND Denotes Not Detectable

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Analyzed By Checked By (Authorized Signatory)

End of Report

Environ Tech Laboratories

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PPCB Approved/ OHSAS 45001:2018

Plot No.62, Janta Industrial Estate,
Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20940

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20288	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	STP Inlet Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/288
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.39	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	132	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	454	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	148	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	400	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	48	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

Note: ND Denotes Not Detectable

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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Analyzed By

Checked By

(Authorized Signatory)

End of Report

Annexure-4

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/ MoEF & CC Recognized
PPCB Approved/ OHSAS 45001:2018

Plot No.62, Jamla Industrial Estate
Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 2024[illegible] Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20277	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	ETP Feed Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/277
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.65	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	923	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27^0C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

Note: ND Denotes Not Detectable

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Analyzed By Checked By (Authorized Signatory)

ARJEET SINGH
Dy. Technical Manager
Environ Tech Laboratories

End of Report

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Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20287	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	ETP Evaporator Inlet Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/287
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020- 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.94	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids. mg/L	08	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	4398	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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Checked By

(Authorized Signatory)

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240 Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20282	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	UF Outlet Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/282
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.51	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	1124	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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Analyzed By Checked By (Authorized Signatory)

AJEET SINGH
Technical Manager
Environ Tech Laboratories

End of Report

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20281	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	UF Inlet Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/281
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.87	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	08	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	1216	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20278	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	HRSSC outlet Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/278
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.75	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	10	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	996	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/2026	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	RO -2 Rejected Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/286
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.97	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	03	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	5030	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	19	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20284	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	RO -I Rejected Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/284
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.91	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	08	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	2712	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	58	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

Report No.	ETL/44/2020/G/20285	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	RO -2 Product Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/285
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.38	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	376	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240

Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar. (PB)

Report No.	ETL/44/2020/G/20283	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	RO-I Product Water
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/283
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.12	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	254	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

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Mob. 9417210081, 9417220081
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GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240 Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar, (PB)

eport No.	ETL/44/2020/G/20280	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	MGF Outlet
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/280
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.82	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	ND	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	890	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

Note: ND Denotes Not Detectable

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Analyzed By Checked By (Authorized Signatory)

End of Report

Environ Tech Laboratories

NABL Accredited (ISO/IEC 17025:2017)/ MoEF & CC Recognized
PPCB Approved/ OHSAS 45001:2018

Plot No.62, Janta Industrial Estate,
Airport Road, Sector 82, S.A.S. Nagar
(Mohali)-160062 Punjab
Mob. 9417210081, 9417220081
9464000081, Tel. 9463000081

GSTIN : 03BPEPS9693P1ZV
PAN No. BPEPS9693P

DISPATCH No:-ETL/DSP/ 20240 Date:- 18/02/2020

TEST REPORT

To
M/s Ambuja Cement Limited.(Unit Ropar)
Village Daburji, PO Lodhimajra, Distt Ropar. (PB)

Report No.	ETL/44/2020/G/20279	Report Date	18.02.2020
Your Ref. No.	PO.NO:- 2800776126/NE12 Dated:-23.10.2019	Type of sample	MGF Inlet
Sample Code Given by Customer	Nil	Quantity	1 Liter Plastic Bottle + 1 Liter Glass Bottle
		Date of sampling	05.02.2020
Sampling Location	Within Premises	Date of sample receipt	06.02.2020
Sample Collected By	Lab Person	Sample I.D.	ETL/32/2020/G/279
Sampling Procedure	As per Lab SOP	Date of test	06.02.2020– 18.02.2020

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	8.85	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS: 3025 (Part – 11)2002, Reaff.2017,APHA 23rd Edition:2017-4500B
2.	Total Suspended Solids, mg/L	62	100	600	200	IS: 3025 (Part –17)2002, Reaff.2017,APHA 23rd Edition:2017-(2540D)
3.	Total Dissolved Solid, mg/L	748	2100	2100	2100	IS: 3025 (Part – 16)2006, Reaff.2017, APHA 23rd Edition:2017-2540C
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	30	350	100	IS: 3025 (Part – 44)2009, Reaff.2014, APHA 23rd Edition:2017-5210B
5.	Chemical Oxygen Demand, mg/L	ND	250	No guideline	No guideline	IS: 3025 (Part – 58)2006, Reaff.2017, APHA 23rd Edition:2017-5520B
6.	Oil and Grease, mg/L	ND	10	20	10	IS: 3025 (Part – 39)2003, Reaff.2017, APHA 23rd Edition:2017-5520B

Note: ND Denotes Not Detectable

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

Analyzed By Checked By (Authorized Signatory)

End of Report

Annexure -5

Ambient Air Quality Monitoring data of Year 2019-2020 of Designated Station (Monthly Average)

Month	Village Ratanpura		Gunny Bag Gowdown		ACL Colony		Clinker Truck Yard		Bio Mass Storage Yard		ACL Labour Colony	
	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*	PM 2.5 µ gm/m3*	PM 10 µ gm/m3*
Apr-19	42.44	86.51	37.72	79.38	40.32	83.62	41.56	82.41	38.29	78.56	35.46	72.84
May-19	33.70	79.56	35.42	87.12	37.52	83.25	40.69	85.36	39.60	81.09	31.52	78.27
Jun-19	36.72	81.59	38.36	79.06	35.52	76.12	39.89	83.05	35.69	78.52	37.59	77.28
Jul-19	34.47	80.71	40.69	85.36	37.80	79.50	38.29	86.97	32.53	83.45	37.66	76.58
Aug-19	38.51	85.32	34.37	76.54	39.47	79.11	40.62	82.45	36.94	76.44	38.82	75.53
Sep-19	35.89	80.65	39.12	87.43	36.32	81.69	43.23	89.07	34.05	77.63	32.78	71.83
Oct-19	38.95	82.71	41.02	80.86	40.46	87.98	43.61	84.05	45.42	85.66	41.96	84.79
Nov-19	72.14	133.94	74.27	135.21	71.16	130.43	75.43	132.48	73.76	127.72	72.74	135.37
Dec-19	43.34	89.63	51.75	92.45	49.02	97.29	46.34	94.55	40.52	86.07	39.51	87.73
Jan-20	39.34	78.55	41.68	84.08	43.61	87.01	42.08	81.51	37.58	78.06	40.13	81.03
Feb-20	31.75	71.32	38.74	78.19	33.64	79.68	36.95	75.76	39.45	73.24	37.86	76.55
Mar-20	41.3	82.57	38.16	80.11	39.86	79.02	35.45	76.35	38.74	81.25	37.23	77.37
Average	40.71	86.09	42.61	87.15	42.06	87.06	43.68	87.83	41.05	83.97	40.27	82.93

Annexure - 6

Bio Medical Waste (BMW) Disposal Report (April-19 to March-20)

Month	Yellow (Gm)	Red(Gm)	Blue(Gm)	White (Gm)	Yellow (discarded) (Gm)
Apr-19	1445	625	Nil	Nil	Nil
May-19	1120	505	Nil	Nil	435
Jun-19	1625	1005	Nil	125	Nil
Jul-19	1180	540	Nil	Nil	Nil
Aug-19	655	1320	Nil	Nil	55
Sep-19	1475	1410	Nil	Nil	Nil
Oct-19	835	725	Nil	Nil	Nil
Nov-19	500	655	Nil	Nil	Nil
Dec-19	880	705	Nil	Nil	Nil
Jan-20	590	445	Nil	Nil	Nil
Feb-20	470	535	Nil	Nil	225
Mar-20	780	Nil	Nil	Nil	Nil
Total (Kg)	11.555	8.47	Nil	0.125	0.715

Annexure - 7

AMBUJA CEMENT LIMITED UNIT ROPAR

NOISE MONITORING REPORT FROM 01/04/2019 TO 30/04/2019

F-E-060-06

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

<----------PLANT MACHINERY NOISE----------> <----------AMBIENT AIR NOISE---------->

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.04.2019	77.3	82.3	97.3	99.8	79.6	91.9	72.9	63.2	65.1	60.1	65.8	49.2	46.8	42.5	43.3
11.04.2019	76.5	81.9	97.8	100.1	81	90.7	74.5	65.1	63.3	59.5	63.2	50.1	47.1	43.8	42.6
16.04.2019	70.1	83.2	92.9	80.5	80.7	89.9	73.5	59.9	62.5	57.6	59.3	50.7	48.5	44.6	39.9
26.04.2019	74.1	82.1	97.9	83.7	82.4	92.2	74.1	64.2	62.1	53.2	60.8	43.3	44.7	44.6	41.5
Avg.	74.50	82.38	96.48	91.03	80.93	91.18	73.75	63.10	63.25	57.60	62.28	48.33	46.78	43.88	41.83

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

<----------PLANT MACHINERY NOISE----------> <----------AMBIENT AIR NOISE---------->

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.04.2019	77.5	79.8	96.7	99.8	79.7	91.2	72.4	63.1	63.3	58.7	64.9	43.8	46.5	44.5	43.8
11.04.2019	74.3	80.1	96.4	99.5	80.3	90.6	73.7	62.7	62.5	58.3	65.5	44.7	45.9	42.4	42.9
16.04.2019	69.6	81.7	91.2	79.7	79.2	88.5	72.7	57.1	61.3	56.4	56.3	48.3	45.9	42.5	39.1
27.04.2019	73.4	81.2	95.1	80.9	81.9	91.8	73.1	63.2	61.5	50.9	58.9	41.7	44	38.7	39.4
Avg.	73.70	80.70	94.85	89.98	80.28	90.53	72.98	61.53	62.15	56.08	61.40	44.63	45.58	42.03	41.30

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

NOISE MONITORING REPORT FROM 01/05/2019 TO 31/05/2019

F-E-060-06

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

<----------PLANT MACHINERY NOISE----------> <----------AMBIENT AIR NOISE---------->

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
07.05.2019	74.1	81.5	96.8	82.1	81.4	91.6	73.8	64.1	60.9	56.1	60.7	47.1	45.4	40.9	41.1
16.05.2019	73.2	82.1	97.2	81.9	82.2	90.3	72.9	62.3	61.7	55.8	62.1	46.4	44.5	40.5	39.8
22.05.2019	73.4	81.4	97.4	81.5	82.7	90.1	73.6	62.5	61.3	56.9	61.5	46.7	44.3	41.8	40.2
30.05.2019	72.6	82.6	98.5	81.3	81.9	92.4	74.9	61.7	60.5	54.6	61.9	45.9	45.1	42.3	41.4
Avg.	73.33	81.90	97.48	81.70	82.05	91.10	73.80	62.65	61.10	55.85	61.55	46.53	44.83	41.38	40.63

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

<----------PLANT MACHINERY NOISE----------> <----------AMBIENT AIR NOISE---------->

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
07.05.2019	72.6	82.4	97.2	81.7	81.5	90.9	74.9	61.4	60.2	52.9	45.9	40.8	42.1	38.4	41.3
16.05.2019	74.1	80.7	96.5	81.3	81.9	91.5	73.6	60.5	59.5	53.4	44.6	42.5	44.6	37.6	39.2
22.05.2019	73.5	81.2	95.1	82.1	81.6	92.4	75.1	60.6	59.9	53.7	44.3	43.1	43.1	37.9	39.9
30.05.2019	71.9	82.9	95.9	80.8	80.9	91.2	74.5	61.9	60.7	54.3	45.1	42.9	42.4	38.1	41.6
Avg.	73.03	81.80	96.18	81.48	81.48	91.50	74.53	61.10	60.08	53.58	44.98	42.33	43.05	38.00	40.50

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

NOISE MONITORING REPORT FROM 01/06/2019 TO 30/06/2019

F-E-060-06

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

<----------PLANT MACHINERY NOISE----------> <----------AMBIENT AIR NOISE---------->

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.06.2019	72.5	85.7	94.8	83.9	81.2	90.7	75.3	64.9	62.8	60.1	59.5	53.6	52.5	39.2	40.2
14.06.2019	71.8	84.5	95.9	84.6	83.1	92.4	73.2	62.5	61.7	59.3	61.2	55.1	51.8	43.9	42.5
18.06.2019	76.4	82.3	96.3	82.1	82.3	91.9	71.9	63.8	63.4	58.1	59.6	54.3	48.6	44.1	43.3

27.06.2019	75.1	82.3	97.8	82.5	80.9	92.7	72.9	63.1	61.7	61.7	62.8	52.4	50.3	43.1	42.9
Avg.	73.95	83.70	96.20	83.28	81.88	91.93	73.33	63.58	62.40	59.80	60.78	53.85	50.80	42.58	42.23

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

	<----PLANT MACHINERY NOISE---->				<----AMBIENT AIR NOISE---->										
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.06.2019	71.9	83.7	94.3	83.5	79.3	90.7	74.5	62.6	61.5	59.7	57.6	52.5	50.9	38.1	39.5
14.06.2019	70.9	83.5	95.2	82.8	79.4	92.1	72.1	61.9	59.3	58.9	59.4	52.6	48.4	42.7	41.1
18.06.2019	72.7	80.9	95.1	82.3	81.5	91.7	74.9	61.2	60.9	57.1	59.7	49.5	49.6	42.9	38.1
27.06.2019	73.4	80.3	96.1	81.5	78.1	91.9	71.1	61.2	59.5	60.3	61.7	50.9	47.1	40.5	41.9
Avg.	72.23	82.10	95.18	82.53	79.58	91.60	73.15	61.73	60.30	59.00	59.60	51.38	49.00	41.05	40.15

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/07/2019 TO 31/07/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

	<----PLANT MACHINERY NOISE---->				<----AMBIENT AIR NOISE---->										
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.07.2019	74.2	80.9	96.4	85.8	79.7	90.8	74.2	63.3	65.4	59.2	65.1	50.3	47.5	41.1	43.5
12.07.2019	73.9	82.3	97.1	86.9	82.1	93.4	75.8	62.3	62.4	56.3	63.8	50.6	46.7	44.1	43.8
17.07.2019	74.6	81.4	95.5	81.6	80.1	93.8	71.8	64.9	63.7	60.2	62.9	52.7	50.9	42.9	41.1
25.07.2019	72.8	81.9	96.5	80.9	78.5	94.9	72.9	62.5	62.2	59.1	60.6	54.9	50.4	41.9	42.5
30.07.2019	75.1	80.5	96.1	82.5	81.9	90.8	70.9	63.2	62.9	55.7	60.3	52.6	52.1	44.1	44.7
Avg.	74.12	81.40	96.32	83.54	80.46	92.74	73.12	63.24	63.32	58.10	62.54	52.22	49.52	42.82	43.12

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

	<----PLANT MACHINERY NOISE---->				<----AMBIENT AIR NOISE---->										
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.07.2019	72.2	79.2	95.8	82.9	78.1	88.7	71.5	62.1	63.4	58.5	64.1	48.3	45.7	40.1	41.2
12.07.2019	72.5	81.5	96.1	85.7	81.5	91.9	72.7	61.3	61.8	54.7	62.1	47.8	45.1	42.7	42.5
17.07.2019	73.3	80.5	94.4	80.4	79.3	92.3	70.1	62.6	60.9	58.9	61.1	51.5	48.7	41.8	40.2
25.07.2019	71.2	79.5	95.9	79.6	76.7	92.4	71.5	61.7	61.1	58.8	59.4	53.1	48.1	40.9	41.6
30.07.2019	74.3	79.6	93.1	80.4	81.1	89.1	69.8	60.9	61.2	55.1	59.1	50.8	50.9	42.9	42.8
Avg.	72.70	80.06	95.06	81.80	79.34	90.88	71.12	61.72	61.68	57.20	61.16	50.30	47.70	41.68	41.66

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/08/2019 TO 31/08/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

	<----PLANT MACHINERY NOISE---->				<----AMBIENT AIR NOISE---->											
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
08.08.2019	71.2	81.4	95.8	82.9	80.4	91.7	73.1	75.4	61.1	60.5	58.5	65.4	49.7	48.9	42.1	40.2
14.08.2019	72.6	80.6	92.2	82.4	81.5	89.9	72.7	72.8	60.7	62.4	58.7	62.7	50.9	50.9	41.7	41.9
23.08.2019	74.3	82.6	93.7	83.4	80.9	92.5	74.5	74.5	63.2	61.7	58.3	61.1	53.5	53.7	39.2	39.6
29.08.2019	72.8	81.9	96.5	80.9	78.5	94.9	72.9	74.9	62.5	62.2	59.1	60.6	54.9	50.4	41.9	42.5
Avg.	72.73	81.63	94.55	82.40	80.33	92.25	73.30	74.40	61.88	61.70	58.65	62.45	52.25	50.98	41.23	41.05

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

	<----PLANT MACHINERY NOISE---->				<----AMBIENT AIR NOISE---->											
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
08.08.2019	69.8	80.3	94.9	80.1	79.2	89.4	72.9	72.7	60.2	58.4	57.1	62.9	48.9	48.1	40.1	39.7

14.08.2019	71.5	78.6	91.5	81.9	80.4	88.7	70.5	72.2	58.1	61.5	57.9	61.5	50.1	49.5	40.6	38.5
23.08.2019	72.9	80.2	93.1	82.3	79.2	91.9	73.4	73.6	60.1	59.5	57.5	60.1	51.4	49.8	38.7	38.9
29.08.2019	71.2	79.5	95.9	79.6	76.7	92.4	71.5	73.8	61.7	61.1	58.8	59.4	53.1	48.1	40.9	41.6
Avg.	71.35	79.65	93.85	80.98	78.88	90.60	72.08	73.08	60.03	60.13	57.83	60.98	50.88	48.88	40.08	39.68

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/09/2019 TO 30/09/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

	<----PLANT MACHINERY NOISE---->						<----AMBIENT AIR NOISE---->									
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.09.2019	73.3	81.6	94.5	82.7	81.5	91.2	72.8	61.8	65.6	62.5	59.2	60.5	54.1	49.9	41.1	41.5
11.09.2019	74.9	83.1	95.4	85.7	80.5	91.9	73.2	65.8	59.2	62.5	58.5	61.6	53.4	51.5	42.9	40.8
19.09.2019	75.1	82.8	94.2	81.4	83.7	92.1	72.8	63.2	60.4	64.3	57.8	59.4	52.1	52.2	40.5	39.2
27.09.2019	73.6	80.4	96.5	84.6	83.1	93.5	71.6	64.5	61.7	63.7	59.2	62.9	51.7	50.1	44.9	40.4
Avg.	74.23	81.98	95.15	83.60	82.20	92.18	72.60	63.83	61.73	63.25	58.68	61.10	52.83	50.93	42.35	40.48

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

	<----PLANT MACHINERY NOISE---->						<----AMBIENT AIR NOISE---->									
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.09.2019	72.5	81.1	92.8	80.9	83.6	89.6	71.7	60.3	63.7	60.8	58.3	59.5	51.4	48.7	38.8	38.4
11.09.2019	73.7	81.3	93.9	83.5	79.9	90.4	72.3	63.6	58.4	60.4	56.7	60.9	52.5	49.6	40.9	37.9
19.09.2019	74.4	81.6	91.8	80.8	80.6	91.3	71.7	60.9	57.2	61.1	55.6	58.6	51.8	51.4	39.5	36.6
27.09.2019	72.1	78.9	95.4	82.4	81.3	92.3	70.5	62.4	60.6	62.5	57.9	61.1	50.6	48.9	43.8	37.2
Avg.	73.18	80.73	93.48	81.90	81.35	90.90	71.55	61.80	59.98	61.20	57.13	60.03	51.58	49.65	40.75	37.53

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/10/2019 TO 31/10/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

	<----PLANT MACHINERY NOISE---->						<----AMBIENT AIR NOISE---->									
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
04.10.2019	76.4	82.3	96.7	82.1	82.3	91.9	74.2	72.6	63.8	63.4	58.1	59.6	54.3	48.6	44.1	43.3
09.10.2019	77.5	82.8	98.5	82.3	84.9	92.2	75.6	68.9	62.1	62.7	55.9	61.9	52.9	47.8	42.7	41.7
17.10.2019	74.3	80.5	99.5	81.7	81.7	93.1	73.9	74.3	60.3	64.1	59.2	60.8	53.4	51.2	43.1	39.1
22.10.2019	73.5	80.6	94.2	81.5	85.4	89.8	70.6	72.9	62.7	65.1	53.9	58.3	51.5	48.9	43.8	40.9
31.10.2019	75.1	81.1	98.1	83.8	84.9	91.7	72.3	70.5	62.4	63.8	55.4	62.2	50.2	52.1	41.4	45.1
Avg.	75.36	81.46	97.40	82.28	83.84	91.74	73.32	71.84	62.26	63.82	56.50	60.56	52.46	49.72	43.02	42.02

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

	<----PLANT MACHINERY NOISE---->						<----AMBIENT AIR NOISE---->									
DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
04.10.2019	72.7	80.9	96.1	80.9	81.5	91.1	71.9	71.4	61.2	60.9	57.1	59.0	49.5	49.6	42.9	38.1
09.10.2019	72.2	82.1	96.9	80.5	82.1	89.3	73.8	65.8	60.1	62.1	56.3	60.9	51.2	48.9	41.7	39.4
17.10.2019	73.6	79.8	96.5	78.8	78.9	91.6	72.5	73.1	59.3	61.6	54.7	57.5	50.4	51.0	42.5	37.6
22.10.2019	72.5	80.1	91.7	80.5	83.9	87.6	69.7	70.8	58.5	63.6	53.1	56.1	48.2	45.9	42.8	39.5
31.10.2019	74.1	80.9	96.3	82.3	84.2	90.3	67.9	69.2	61.8	62.1	54.9	60.5	46.9	51.2	40.5	42.3
Avg.	73.02	80.76	95.50	80.60	82.12	89.98	71.16	70.06	60.18	62.06	55.22	58.80	49.24	49.32	42.08	39.38

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/11/2019 TO 30/11/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
06.11.2019	76.3	84.7	97.1	83.1	81.6	94.2	74.8	75.3	62.7	65.1	53.9	58.3	51.5	48.9	43.8	40.9
14.11.2019	77.5	74.2	98.1	85.4	85.2	87.5	76.9	78.1	62.4	63.8	55.4	62.2	50.2	52.1	41.4	45.1
19.11.2019	76.8	81.9	98.5	86.5	83.8	86.8	75.6	86.9	65.6	62.5	59.2	60.5	54.1	49.9	41.1	41.5
29.11.2019	75.1	86.3	93.2	89.9	81.5	89.1	73.9	72.6	62.5	64.5	55.9	58.1	52.3	49.7	40.8	39.3
Avg.	76.43	81.78	96.73	86.23	83.03	89.40	75.30	78.23	63.30	63.98	56.10	59.78	52.03	50.15	41.78	41.70

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
06.11.2019	74.9	81.5	96.4	82.7	78.2	91.1	71.6	73.9	58.5	63.6	53.1	56.1	48.2	45.9	42.8	39.5
14.11.2019	76.7	71.9	95.4	84.5	84.1	84.5	74.9	75.3	61.8	62.1	54.9	60.5	46.9	51.2	40.5	42.3
19.11.2019	75.3	78.4	97.2	84.9	81.9	82.4	73.8	81.4	63.7	60.8	58.3	59.5	51.4	48.7	38.8	38.4
29.11.2019	74.1	85.3	92.6	86.1	83.7	87.2	72.5	71.2	61.8	62.3	54.1	57.1	51.7	49.5	39.1	38.7
Avg.	75.25	79.28	95.40	84.55	81.98	86.30	73.20	75.45	61.45	62.20	55.10	58.30	49.55	48.83	40.30	39.73

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

F-E-060-06

NOISE MONITORING REPORT FROM 01/12/2019 TO 31/12/2019

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
04.12.2019	73.3	81.6	94.5	82.7	81.5	91.2	72.8	76.6	65.4	62.5	59.2	60.5	54.1	49.6	41.1	41.5
13.12.2019	74.9	83.9	95.1	80.9	82.5	90.4	74.2	74.9	60.5	61.2	56.7	63.1	52.3	50.9	40.5	44.1
77.12.2019	72.8	85.5	97.6	84.2	80.9	93.5	73.8	77.8	63.1	62.9	59.3	61.6	53.1	49.5	44.2	42.3
26.12.2019	76.4	82.3	96.3	82.1	82.3	91.9	71.9	79.1	63.8	63.4	58.1	59.6	54.3	48.6	44.1	43.3
Avg.	74.35	83.33	95.88	82.48	81.80	91.75	73.18	77.10	63.20	62.50	58.33	61.20	53.45	49.65	42.48	42.80

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
04.12.2019	72.5	81.1	92.8	80.9	83.6	89.6	71.7	75.2	63.7	60.8	58.3	59.5	51.4	48.7	38.8	38.4
13.12.2019	72.6	81.2	94.4	79.1	81.7	89.2	71.5	72.7	59.1	60.5	55.8	62.2	50.5	50.1	38.5	39.9
77.12.2019	70.9	83.5	95.2	82.8	79.4	92.1	72.1	75.9	61.9	59.3	58.9	59.4	52.6	48.4	42.7	41.1
26.12.2019	72.7	80.9	96.1	82.3	81.5	91.7	74.9	78.4	61.2	60.9	57.1	59.7	49.5	49.6	42.9	38.1
Avg.	72.18	81.68	94.63	81.28	81.55	90.65	72.55	75.55	61.48	60.38	57.53	60.20	51.00	49.20	40.73	39.38

Remarks: Use Ear Muff in the area having noise level greater 75dB(A) &70dB(A)during day time & night time respectively.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

Doc. No F-E-060-06

NOISE MONITORING REPORT FROM 01/01/2020 TO 31/01/2020

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.01.2020	74.6	81.4	96.5	84.2	81.4	93.2	71.7	73.4	62.4	64.8	56.9	61.5	53.1	52.9	41.5	44.6
08.01.2020	73.9	80.1	96.9	83.8	80.7	95.4	71.4	70.9	61.7	62.5	58.3	62.6	52.7	53.2	43.8	42.3
14.01.2020	75.1	82.3	97.8	82.5	79.9	92.7	72.9	71.6	63.1	61.7	57.7	60.8	52.4	50.3	43.1	42.9
23.01.2020	73.3	81.9	96.2	83.7	80.5	93.1	73.5	70.1	62.5	64.1	58.9	61.2	53.6	51.2	42.4	43.1
29.01.2020	72.8	80.6	98.3	81.9	80.3	94.6	72.3	72.4	60.3	62.3	58.5	62.3	52.1	50.7	41.2	42.4
Avg.	73.94	81.26	97.14	83.22	80.56	93.8	72.36	71.68	62	63.08	58.06	61.68	52.78	51.66	42.4	43.06

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
03.01.2020	72.5	82.1	93.7	82.1	78.4	92.4	70.2	71.3	60.6	63.1	54.9	62.5	51.7	50.3	41.1	41.5
08.01.2020	73.6	79.5	95.5	80.9	79.6	92.8	72.3	70.2	59.9	61.2	56.7	59.4	48.5	49.8	39.6	40.3
14.01.2020	70.4	80.3	95.1	81.5	80.1	91.9	71.1	69.9	61.2	62.5	55.3	61.7	50.9	52.1	40.5	41.9
23.01.2020	68.7	80.7	97.9	81.1	79.7	92.2	71.6	69.5	60.3	62.1	56.5	60.3	50.2	49.5	40.9	42.3
29.01.2020	70.9	80.3	96.7	80.7	81.2	93.1	70.8	70.4	61.5	63.6	57.1	58.9	49.7	50.1	42.3	40.8
Avg.	71.22	80.58	95.78	81.26	79.8	92.48	71.2	70.26	60.7	62.5	56.1	60.56	50.2	50.36	40.88	41.36

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectvely.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

Doc. No F-E-060-06

NOISE MONITORING REPORT FROM 01/02/2020 TO 29/02/2020

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
06.02.2020	74.8	83.1	97.9	80.9	83.8	92.8	74.8	74.5	62.5	61.1	56.3	62.1	53.7	53.9	44.8	40.2
11.02.2020	76.4	82.3	96.3	82.1	82.3	91.9	71.9	72.2	63.8	63.4	58.1	59.6	54.3	48.6	44.1	43.3
21.02.2020	77.5	82.8	98.5	82.3	84.9	92.2	75.6	76.8	60.1	62.7	55.9	61.9	52.9	47.8	42.7	41.7
26.02.2020	74.3	80.5	99.5	81.7	81.7	93.1	73.9	73.5	59.3	64.1	59.2	60.8	53.4	51.2	43.1	39.1
Avg.	75.75	82.18	98.05	81.75	83.18	92.50	74.05	74.25	61.43	62.83	57.38	61.10	53.58	50.38	43.68	41.08

READING TAKEN IN NIGHT TIME (10:00PM TO 05:00AM)

Night time limit = 70dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
06.02.2020	74.1	81.5	96.8	79.5	80.9	90.9	71.6	71.8	59.5	60.5	55.4	58.3	51.3	50.3	43.5	41.9
11.02.2020	72.7	80.9	96.1	82.3	81.5	91.7	74.9	70.5	61.2	60.9	57.1	59.7	49.5	49.6	42.9	38.1
21.02.2020	72.2	82.1	96.9	80.5	82.1	91.1	73.8	73.1	62.1	62.1	56.3	60.9	53.1	48.9	41.7	39.4
26.02.2020	73.6	82.3	96.5	81.1	81.7	89.3	72.5	72.1	60.3	61.6	54.7	57.5	50.4	51.2	43.1	37.6
Avg.	73.15	81.7	96.58	80.85	81.55	90.75	73.20	71.88	60.78	61.28	55.88	59.10	51.08	50.00	42.80	39.25

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectvely.

Prepared By

AMBUJA CEMENT LIMITED UNIT ROPAR

Doc. No F-E-060-06

NOISE MONITORING REPORT FROM 01/03/2020 TO 31/03/2020

READING TAKEN IN DAY TIME (6:00 AM TO 10:00 PM)

Day time limit =75dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.03.2020	74.9	83.9	95.1	80.9	82.5	90.4	74.2	73.5	60.5	61.2	56.7	63.1	52.3	50.9	40.5	44.1
12.03.2020	72.8	85.5	97.6	84.2	80.9	93.5	73.8	75.1	63.1	62.9	59.3	61.6	53.1	49.5	44.2	42.3
17.03.2020	73.5	80.6	94.2	81.5	85.4	89.8	70.6	71.5	62.7	65.1	53.9	58.3	51.5	48.9	43.8	40.9
Avg.	73.73	83.33	95.63	82.20	82.93	91.23	72.87	73.37	62.10	63.07	56.63	61.00	52.30	49.77	42.83	42.43

READING TAKEN IN NIGHT TIME (10:00PM TO 06:00AM)

Night time limit = 70dB(A)

DATE	FLYASH SYSTEM dB(A)	C.H.II dB(A)	C.M.G.BOX dB(A)	C.M.AREA dB(A)	C.H.I dB(A)	TURB.BLD. dB(A)	BOLLER AREA dB(A)	Fly Ash Dryer dB(A)	MAIN GATE dB(A)	E. GATE dB(A)	G.BAG.G dB(A)	R.H.STORAGE dB(A)	COLONY M.GATE dB(A)	COLONY E. GATE dB(A)	CHILDREN PARK dB(A)	COLONY W.SIDE dB(A)
05.03.2020	72.6	81.2	94.4	79.1	81.7	89.2	71.5	71.4	59.1	60.5	55.8	62.2	50.5	50.1	38.5	39.9
12.03.2020	70.9	83.5	95.2	82.8	79.4	92.1	72.1	72.9	61.9	59.3	58.9	59.4	52.6	48.4	42.7	41.1
17.03.2020	72.5	80.1	91.7	80.5	83.9	87.6	69.7	70.2	58.5	63.6	53.1	56.1	48.2	45.9	42.8	39.5
Avg.	72.00	81.60	93.77	80.80	81.67	89.63	71.10	71.5	59.83	61.13	55.93	59.23	50.43	48.13	41.33	40.17

Remark : Use Ear Muff in the area having noise level greater 75dB(A) & 70dB(A) during day time & night time respectvely.

Annexure - 8

HARISH OBEROI & ASSOCIATES

CHARTERED ACCOUNTANTS

: # 2443, Near Jain Janj Ghar, Ropar - Punjab

Ph. : 98556-22718, 83601-75769, 78372-00999, 70182-77013 | E-mail : oberoiharish@yahoo.com

TO WHOMSOVER IT MAY CONCERN

As per information & Explanations given and records produced to us ,this is certified that Ambuja Cement Foundation has incurred the expenditure for the following CSR activities as per details mentioned below during the financial year 2019-2020 :-

EXPENDITURE FOR THE YEAR 2019-20		
Sr. No.	**Programe/Activity**	**Amount(Rs)**
1)	Agro Based Livelihood	2357707.00
2)	Education-Ambuja Manovikas Kendra	8644518.00
3)	Health & Sanitation	1297213.00
4)	Women Development	860381.00
5)	Integrated Community Development Programme	3500009.00
6)	Water Resource Development	623065.00
7)	Unplanned Activities(Safety workshops in nearby villages & others unplanned activities)	44650.00
8)	Capital items	259099.00
9)	Establishment	1078151.00
Total		**18664793.00**

Dated : 26.09.2020

Place : Ropar

For Harish Oberoi & Associates

Chartered accountants

HARISH OBEROI & ASSOCIATES Chartered Accountants FRN 011340N

Harish Kumar

[Partner]

UDIN : 20089954AAAAAV7450

Annexure - 9

AMBUJA CEMENT FOUNDATION - ROPAR

PROPOSED CSR EXPENDITURE FOR THE YEAR (2021-2025)

Sr. No.	Programmes	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
1	Water Resource Management	900000	990000	1089000	1197900	1317690
2	Agro Based Livelihood	1433367	1576704	1734374	1907811	2098591
3	Health & Sanitation	756525	832177	915395	1006934	1107626
4	Women Empowerment	808404	889244	978169	1075985	1183584
5	Education	7343147	8077461	8975207	9872727	10859999
6	Infrastructure/ACL welfare	4050000	4410000	4824000	5247900	5772690
7	Other Intervention/HCC Truckers Project	3996000	4395600	4835160	47916	52708
8	Establishment	2744557	3019012	3320914	3653005	4018305
Grand Total Expenditure (In ₹)		22032000	24190198	26672217	24010178	26411192

Annexure - 10

AMBUJA CEMENTS LTD UNIT ROPAR

Electricity Consumption for operation of ETP from April, 2019 to March,2020

Month	Total Units Consumed (kwh)	Total Expenditure (Rs.)
Apr-19	4589	28084.68
May-19	5105	31242.60
Jun-19	4656	28494.72
Jul-19	4986	30514.32
Aug-19	5611	34339.32
Sep-19	4904	30012.48
Oct-19	4920	30110.40
Nov-19	5123	31352.76
Dec-19	5417	33152.04
Jan-20	4856	29718.72
Feb-20	4708	28812.96
Mar-20	3700	22644.00
Total	**58575.00**	**358479.00**

Total Amount : Rs. Three Lac Fifty Eight Thousand Four Hundred Seventy Nine Only.

Electricity Consumption for operation of ETP(EVAPORATOR) from April, 2019 to March,2020

Month	Total Units Consumed (kwh)	Total Expenditure (Rs.)
Apr-19	3135	19186.20
May-19	3943	24131.16
Jun-19	3901	23874.12
Jul-19	3564	21811.68
Aug-19	3977	24339.24
Sep-19	3186	19498.32
Oct-19	3212	19657.44
Nov-19	3162	19351.44
Dec-19	3546	21701.52
Jan-20	3425	20961.00
Feb-20	3049	18659.88
Mar-20	2474	15140.88
Total	**40574.00**	248312.88

Total Amount : Rs. Two Lac Fourty Eight Thousand Three Hundred Twelve Only.

Total ETP Cost including Evaporator	**606791.88**

Annexure - 11

AMBUJA CEMENTS LTD UNIT ROPAR

Electricity Consumption for operation of STP from April, 2019 to March,2020		
Month	**Total Units Consumed(kwh)**	**Total Expenditure (Rs.)**
Apr-19	5110	31273.20
May-19	5690	34822.80
Jun-19	5985	36628.20
Jul-19	6612	40465.44
Aug-19	4895	29957.40
Sep-19	6401	39174.12
Oct-19	5512	33733.44
Nov-19	5610	34333.20
Dec-19	5201	31830.12
Jan-20	5485	33568.20
Feb-20	4472	27368.64
Mar-20	7600	46512.00
Total	68573	419666.76
Total Amount : Rs. Four Lac Ninteen Thousand Six Hundred Sixty Six Only.		

Annexure 12

CPP BOILER ESP POWER CONSUMPTION AND COST

Energy Meter Reading ESP (April 2019 - March 2020)

Month	ESP 1				ESP 2				ESP 3			
	Intial Reading (KWH)	Closed Reading (KWH)	diff.	Total (KWH)	Intial Reading (KWH)	Closed Reading (KWH)	diff.	Total (KWH)	Intial Reading (KWH)	Closed Reading (KWH)	diff.	Total (KWH)
Apr-19	718.5	727.02	8.52	8520	1019.29	1019.31	0.02	20	925.68	925.88	0.2	200
May-19	727.02	731.31	4.29	4290	1019.31	1025.31	6	6000	925.88	926.09	0.21	210
Jun-19	731.31	731.31	0	0	1025.31	1036.07	10.8	10760	926.09	926.29	0.2	200
Jul-19	731.31	739.15	7.84	7840	1036.07	1042.62	6.55	6550	926.29	926.48	0.19	190
Aug-19	739.15	748.18	9.03	9030	1042.62	1051.5	8.88	8880	926.48	926.67	0.19	190
Sep-19	748.18	756.2	8.02	8020	1051.5	1060.62	9.12	9120	926.67	926.79	0.12	120
Oct-19	756.2	765.77	9.57	9570	1060.62	1071.38	10.8	10760	926.79	926.9	0.11	110
Nov-19	765.77	774.7	8.93	8930	1071.38	1081.81	10.4	10430	926.9	927.02	0.12	120
Dec-19	774.7	783.35	8.65	8650	1081.81	1092.64	10.8	10830	927.02	927.16	0.14	140
Jan-20	783.35	787.75	4.4	4400	1092.64	1103.3	10.7	10660	927.16	927.31	0.15	150
Feb-20	787.75	795.51	7.76	7760	1103.3	1113.41	10.1	10110	927.31	927.44	0.13	130
Mar-20	795.51	803.31	7.8	7800	1113.41	1124.01	10.6	10600	927.44	927.66	0.22	220
Total Unit Consumed			0	84810				104720				1980

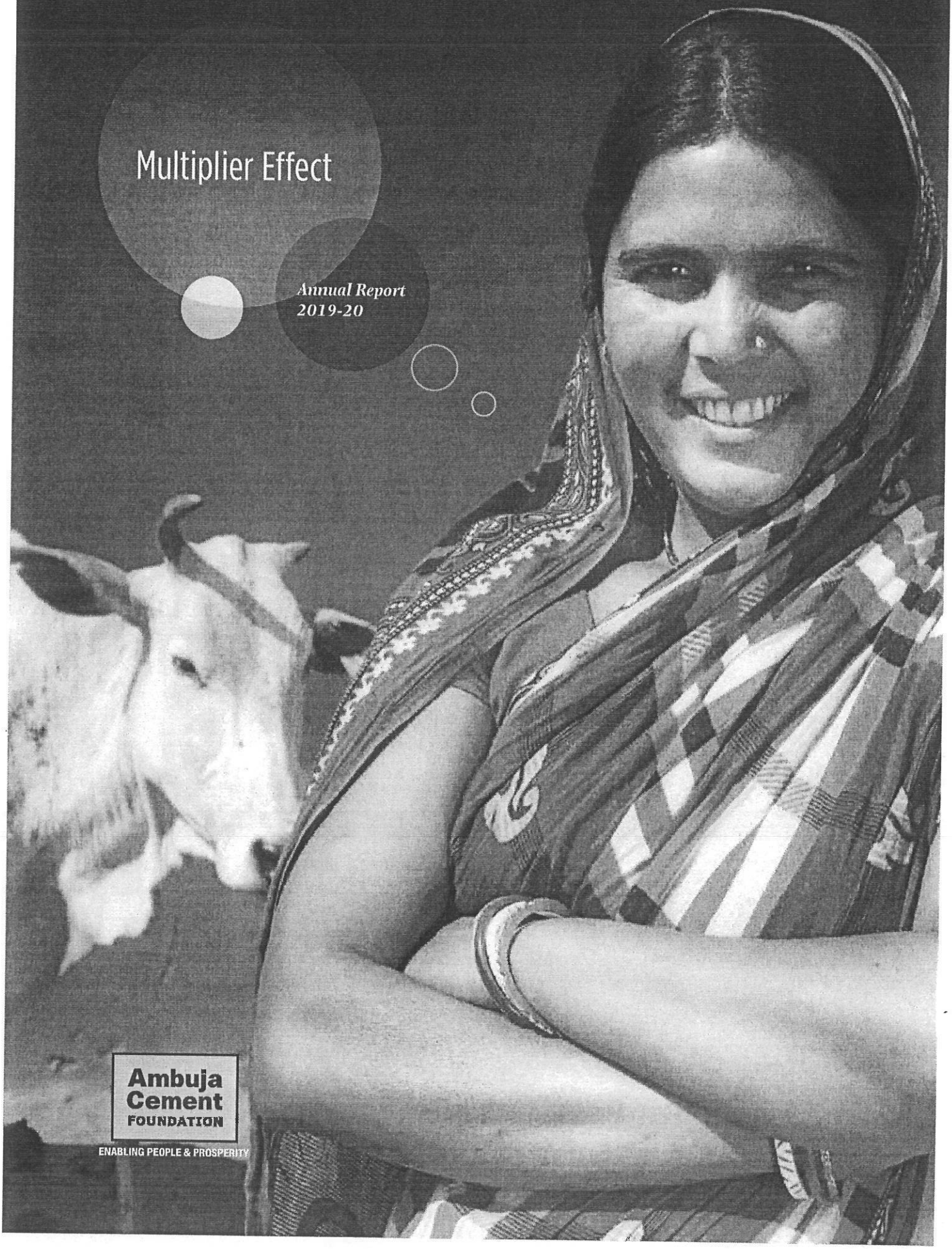
Total Power Consumed in ESP (April 2019- March 2020) *191510*

Total Cost of Power Consumed in CPP plant for ESP 1172041

ANNEXURE - 13

Multiplier Effect

Annual Report
2019-20



Ambuja Cement FOUNDATION

ENABLING PEOPLE & PROSPERITY

SUSTAINABLE DEVELOPMENT GOALS

ALIGNING WITH SDGs

We live in uncertain times. All around us we are seeing signs of the fragility of the planet and the unsustainable nature of mankind's approach to life. Now is a time for all individuals, organisations, corporates and governments to work together and commit to sustainable change for the future.

By working together and uniting in our goals, we can create a ripple effect, indeed a multiplier effect, across the country and around the world.

At Ambuja Cement Foundation, we are committed to the Sustainable Development Goals and use them as a guiding force for our programmes. Many of our programmes and approaches cut across multiple SDGs and it's important, in this report, to highlight how our work is contributing to this global blueprint for peace and prosperity for both people and planet, now and in the future.

Ending poverty requires a multi-pronged approach with various strategies across the key areas that impact a family's ability to empower themselves economically, whilst respecting the natural environment in which we live and work.

SDG 1
NO POVERTY

SDG 2
ZERO HUNGER

SDG 3
GOOD HEALTH AND WELL-BEING

SDG 4
QUALITY EDUCATION

SDG 5
GENDER EQUALITY

SDG 6
CLEAN WATER AND SANITATION

SDG 7
AFFORDABLE AND CLEAN ENERGY

SDG 8
DECENT WORK AND ECONOMIC GROWTH

SDG 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

SDG 10
REDUCED INEQUALITIES

SDG 11
SUSTAINABLE CITIES AND COMMUNITIES

SDG 12
RESPONSIBLE CONSUMPTION AND PRODUCTION

SDG 13
CLIMATE ACTION

SDG 14
LIFE BELOW WATER

SDG 15
LIFE ON LAND

SDG 16
PEACE, JUSTICE AND STRONG INSTITUTIONS

SDG 17
PARTNERSHIP FOR THE GOALS

At ACF we embrace SDG 17 - Partnership for the Goals, in approaching all areas of our work, and our individual programmes align with the following goals:

AGRICULTURE
1, 3, 5, 7, 8, 12, 13, 14, 15, 17

WATER
1, 2, 5, 6, 10, 13, 17

SKILL
1, 3, 4, 5, 8, 10, 17

WOMEN
1, 2, 5, 17

HEALTH
1, 2, 3, 5, 6, 17

EDUCATION
4, 6, 17

CHAIRMAN'S MESSAGE

The end of financial year saw the world enter into uncharted territory, and India embarked on the world's largest lockdown as 1.3 billion people were forced to stay at home. The ripple effect of these events have hit hard on the Indian economy and on our people. We are conscious that now more than ever before, we will need to pool all existing resources and work together to protect our rural communities and their livelihoods, to minimise the impact of this COVID-19 pandemic.

"After almost 3 decades of work, we have taken great strides to ensure every rupee is optimised. This approach has seen us have success in creating a 'multiplier effect' so that every rupee invested goes that extra mile in making an impact.

At Ambuja Cement Foundation we are committed to reaching the last mile, and ensuring that rural Indians in the most isolated parts of the country, are afforded the same services and quality of life as those in the cities. During the COVID-19 crisis, we made significant efforts to support the 2.6 million people we work with. And throughout the rest of the year we continued to promote access to water, healthcare services, quality education and sustainable livelihoods at the grassroots and last mile.

After almost 3 decades of work, we have taken great strides to ensure every rupee is optimised. This approach has seen us have success in creating a 'multiplier effect' so that every rupee invested goes that extra mile in making an impact. We achieve this via bringing together consortiums of stakeholders who pool resources. We train and empower people to kickstart a movement for and on our behalf. We build people's institutions to engage communities in projects and build their capacity to lead it into the future. And we share our learnings with other like-minded organisations, so that they too can enhance their impact.

And with this approach we've seen multiple success stories. Kickstarting Farmer Learner Groups and watching our influence on these farmers spread from 200 in 2007 to 2 lakh in 2019-20. Initiating one partnership with NABARD in 2012, ensuring its success and moving forward together to collaborate on 36 projects in 2019. Win-win partnerships with corporates have enabled us to act as an implementing body for other corporate CSR – taking the number of Skill & Entrepreneurship Development Institutes from 1 centre in 2006 to 33 centres in 2019. Additionally, we created a Single Point of Contact (SPOCs) in each village from our community members to ensure awareness and the necessary education and information on COVID-19 to ensure effective reach and associated behaviour change.

Of course, achieving a multiplier effect on ground takes the efforts of many. On behalf of our Board, I extend my thanks to our incredible partners who have faith and have entrusted us with their investments. I'd also like to thank the team - for their passion, commitment and drive in ensuring rural change. Time and again, our people are recognised for their strength of character, commitment and for delivering results on the ground. For that we are indebted to them.

Reaching out to over 2.6 million people, today we can see the results of our efforts. We pledge to stay true to our mission – generating prosperity for rural communities, which in turn, generates prosperity for the entire country.

N. S. Sekhsaria

Narotam Sekhsaria
Chairman
Ambuja Cement Foundation

BOARD MEMBERS

ACF is fortunate to be guided by an eminent group of Board Members who bring a wealth of experience, knowledge and passion to the table as they lead ACF into the future.

This year, we bid farewell to our outgoing Director Mr. Bimlendra Jha, who resigned due to personal reasons. We thank him for his guidance and leadership over the last 12 months and for his passion for our work.

ACF welcomes new Board Members, Mr. Neeraj Akhoury and Mr. V.K Sharma who bring a depth of experience and skillsets to ACF. We look forward to their inputs and guidance going forward.

We extend a debt of gratitude for the time, passion and commitment of our Board in governing our large organisation.

NAROTAM SEKHSARIA is a leader in the Indian Cement Industry. In a career spanning over 35 years, he introduced new standards in manufacturing, management, marketing efficiency and corporate social responsibility to an industry he helped transform. He started Ambuja Cement Foundation with the firm belief that community development is core to business sustainability. He is particularly concerned about the economic progress, efficiencies and sustainable livelihoods of rural people and has encouraged ACF to focus on water resource management, projects for farmers like the Better Cotton Initiative, and also skill training for rural youth. He is the Chairman of Ambuja Cements Ltd, ACC Limited, Narotam Sekhsaria Foundation; Director, JM Financial ARC and Everest Industries Limited and a Board Member of Indian Institute of Crafts & Design, Jaipur.

SHARADCHANDRA KALE, IAS (RETD.) belongs to the 1963 batch of the Maharashtra cadre and has held high offices in the State and Central Governments. He was Municipal Commissioner of Mumbai, and Additional Chief Secretary (Planning) and Chairman of Mumbai Port Trust. After retirement in 1997, he held the offices of Chairman of the Reserve Bank of India (Services Board), Banking Ombudsman. He was also the President of the Asiatic Society of Mumbai and currently he is the General Secretary of Yashwantrao Chavan Pratishthan, Mumbai.

P K LAHERI, IAS (RETD.) Recruited into the 1969 batch of the Gujarat cadre, Mr. Laheri retired as Chief Secretary in March 2005. He also served as Chairman and Managing Director of Sardar Sarovar Narmada Nigam Limited, Gandhinagar. He held many positions in industry, education, information, water supply, fashion, tourism and rural development during his career. He is working with many trusts to help the underprivileged and also helps many companies to plan & implement CSR projects.

CHANDRA SHEKHAR RAJAN, IAS is an IAS officer of the 1978 batch who retired as Chief Secretary, Rajasthan in 2016. Since then he has been serving as Deputy Chairman, Chief Minister's Advisory Council. During his years in the IAS he has served in various capacities in agriculture and rural development, before spending 12 years in infrastructure sectors like power, roads, industries and 5 years in finance and general

administration, respectively. He has co-authored a book on 'Farmers Participation in Agricultural Research and Extension'. He has also briefly served as a Consultant with the World Bank. In October 2018, he was appointed by the Union Government as Director on the Board of IL&FS and since April 2019, he has been serving as MD, IL&FS.

ASHNI BIYANI is the Managing Director of Future Consumer Limited, an FMCG company designed to cater to the fast moving consumer generation. Over the course of the last four years, the company has developed over 24 brands in new and niche categories across food, home and personal care products. With an interest in human behavior, she works on behavioral changes that help transform ideas into conceptualized final forms. She has a passion for studying society and culture and takes time out for writing articles released in leading publications.

VIJAY KUMAR SHARMA joined the Board on 12th March 2020. He was the former Chairman of Life Insurance Corporation of India and prior to that he was the Managing Director of LIC of India and LIC Housing Finance Limited. He comes with over 37 years of experience in the insurance sector and held various challenging assignments pan India. He has great understanding of the demographics of the country and socio-economic needs of different regions. He has vast Board level experience on national and international level. He was the Director of ACC Ltd. and is currently on the Board of Tata Steel Ltd., Mahindra & Mahindra Ltd and the Chairman of ICEX Ltd.

PADMINI SOMANI is a principal at the Narotam Sekhsaria Family Office where she leads several investment and philanthropic activities. She oversees businesses in technology, education, FMCG, agriculture, construction materials, commodities and financial services, that directly employ over 3600 employees. Her development experience in youth education, health and vocational skilling, spans over 20 years. She started Salaam Bombay Foundation, which works with over 3 million children across India. She leads the Narotam Sekhsaria Foundation, and serves on other non-profit boards, like Aga Khan Health Services India and Harvard T.H. Chan School of Public Health-India Center. She is an alumnus of London School of Economics and has an MSc. in Financial Economics.

B. L. TAPARIA is a Commerce and Law graduate and a Fellow Member of the Institute of Company Secretaries of India. He possesses more than 40 years of experience in the fields of Legal, Secretarial, Finance, Taxation, Procurement, Internal Audit, HR, Health & Safety, and Sustainability. He worked with Ambuja Cements Limited for 30 years, 10 years as Whole-time Director. Post superannuation, he was appointed as non- Independent Director on the Board of ACL which he continued upto March 2019. He is also an Independent Director in Everest Industries Limited.

BIMLENDRA JHA was a Board Member from 20th March 2019 to 20th February 2020. He was the Managing Director and CEO at Ambuja Cements Ltd from March 2019 to February 2020. He has a B. Tech in Ceramic Engineering from IIT Varanasi and has a Post Graduate Diploma in Business Management and Finance from XLRI Jamshedpur. He has had a three decade long association with Tata Steel Ltd. with multiple leadership roles both in their Indian operations as well as in UK, Sweden and Canada.

NEERAJ AKHOURY joined the Board on 12th March 2020. He is the Managing Director and CEO of Ambuja Cements Limited and brings with him over 28 years of rich experience in the steel and cement industries. He has worked in India and other markets in Companies such as Tata Steel, Lafarge, Lafarge-Holcim and ACC and held leadership roles in Nigeria, Middle East, Paris and Bangladesh. He has a degree in Economics and MBA from the University of Liverpool and General Management from XLRI, Jamshedpur. He is also alumnus of Harvard Business School (GMP).

PEARL TIWARI is the Director and CEO of Ambuja Cement Foundation and President (CSR & Sustainability) at Ambuja Cements Limited. With 35 years of experience in the development sector, she is a social development professional having worked in this area across diverse academic, NGO and CSR roles. A graduate from the prestigious Tata Institute of Social Sciences, and with an Executive Education in CSR from Harvard Business School, she has led Ambuja Cement Foundation since 2000. Leading a team of development professionals, her efforts have earned Ambuja Cements national and international recognition in CSR.

Goat Based Livelihoods Scales to 10 Locations

3,353 households are now involved in ACF's Goat Based Livelihood Program, providing a valuable source of income to rural families. Initiated in Bali, Rajasthan in 2012 the success of the programme saw it gain traction in 2016, and spread to many more locations in Rajasthan. Today it is being successfully implemented in 10 locations across 4 states with a goat population of more than 18,000. To provide necessary support services to goats and rearers, 71 Pashu Swathsya Sevikas provide door to door vet care services – helping maintain goat health, reduce mortality and increase profits.

Elevating the Status of Women in Agriculture

ACF has broken stereotypes against women in the orthodox communities of Punjab, mobilising 3,300 women and training them in various aspects of agriculture. Traditionally, women in the agricultural sector are used for labour purposes only, but today, ACF is respecting them as farmers in their own right - providing various training sessions on PPE and biodiversity, and helping to play a role in decision making and crop cultivation. Today their opinions are being heard especially in relation to agriculture.

Through ACF interventions (with funding support from NABARD) Bathinda was able to reduce stubble burning by 70% across 600 villages by reaching out to 6000 farmers. While in Ropar, stubble burning was reduced by 80% reaching out to 2000 farmers from 200 villages.

BCI Continues its Growth Trajectory

Our BCI programme increased by 40% this financial year, via an outreach to 1.69 lakh farmers. These farmers were trained on good cotton cultivation practices and efforts were made to link them with the BCI cotton value chain. In order to make it possible, we helped the BCI network to enroll ginners in the system. In locations like Maharashtra and Rajasthan these ginners have come forward to help BCI farmers by removing the general deductions applied on other farmers while supplying cotton at gins.

Introducing QR Codes to Learning Materials

ACF in Mundwa, Rajasthan, in conjunction with BCI, is reaching out to 'new generation farmers' via the dissemination of QR Codes on posters and banners in villages, to help cotton farmers access information. Using smartphones, the codes are scanned to access detailed information on cotton farming in regional languages. The success of the initiative will see it initiated in other locations as well.

Roorkee Farmers Launch Organic Product Line for Retail Markets

For the past 11 years, ACF has been working with 460 farmers in Roorkee, to practice organic farming. These farmers grow sugarcane, wheat, paddy, millets, mustard and a few of them are also engaged in honey cultivation. Struggling to capture a good market for their high value products, ACF decided to conduct a need assessment and identify strategies to assist farmers to reach new markets. The need assessment revealed that a focused market-driven approach should be taken, which included focusing on basic processing, packaging, branding, marketing and sales. In a planned way, efforts were made to sell produce direct to consumers - with branded packaging developed with support from ACF and new staff having experience in marketing were appointed to the FPO. Results started to show and in the span of 9 -10 months, the FPO did a business of over Rs. 10 lakhs through its organic products. After observing the success of these products, the FPO also collaborated with Curative Organics New Delhi for Vegetable marketing.

Reduction in Stubble Burning Helps Curb Air Pollution

Farmers in Bathinda and Ropar, Punjab have made great progress in reducing stubble burning to limit pollution affecting areas like Delhi. Through ACF interventions (with funding support from NABARD)

Bathinda was able to reduce stubble burning by 70% across 600 villages by reaching out to 6000 farmers. While in Ropar, stubble burning was reduced by 80% reaching out to 2000 farmers from 200 villages. A village in Bathinda also received an award for being a 'Pollution-Free Village.' This was achieved by mixing crop residue into soil via rotovators accessed on rental basis, and by collecting and using crop residue for fodder or industrial purposes - providing additional income to farmers.

Vegetable Cultivation Helps Double Farmer Income

ACF's vegetable and fruit cultivation programme grew by 65%, compared to last season. This season the programme was active in 18 project locations of ACF and has more than 50% women beneficiaries. 60% of women beneficiaries adopted practices based on training provided, which is a very good sign of women's knowledge and empowerment. During the pandemic, the vegetable cultivation programme has became a very important source of earning for many families.

SHGs Supply Directly to Gin For Profitable Returns

ACF trained 32 Self-Help Groups of Jiwati Block, Chandrapur and guided them in coordinating the collective procurement of cotton lint produced by the women members, helping them secure a price of Rs. 500 per quintal for the cotton from the local cotton gin. This meant an additional income of over Rs. 3 lakhs for the women, with one SHG member, Jangu Devi, selling 460 quintals and earning additional profit of Rs. 11,000. Buoyed by their success in collective bargaining, the women moved forward into the collective purchase of farm inputs - helping them secure agri inputs at competitive rates, avoiding fraudulent practices by local intermediaries and avoiding falling into the clutches of local money lenders.

ACF Punjab Recognised for Progressive Agricultural Initiatives

ACF's efforts in promoting Drip Irrigation and Direct Seeding of Rice (DSR) were recognised at the Jal Shakti Abhiyan Fair in Bathinda, Punjab, by Krishi Vigyan Kendra (KVK). The Additional Deputy Commissioner, Sukhpreet Singh also awarded two farmers who have adopted these methods. In Mansa, Punjab, ACF was honoured as the best Non-Profit working in the cotton sector - a tribute to the countless farmers who are now reaping the benefits of sustainable cotton production thanks to the efforts of ACF and its partner, Better Cotton Initiative. Jagdev Singh, a progressive farmer, was also appreciated for his efforts by KVK and the District Collector for his in-situ crop residue management and for motivating other farmers to reduce stubble burning and adopt similar practices.

Award of Excellence in Agriculture & Rural Development

ACF bagged the first runners up title in 'The CSR Journal Excellence Awards 2018' for its work in 'Agriculture & Rural Development'. The project that won the accolade was the 'Better Cotton Initiative', where ACF has been striving to increase the incomes of cotton farmers by reducing their dependency on water, pesticides and synthetic fertilizers; and by increasing yield and the use of organic fertilizers. ACF was awarded for its efforts and impacts including its work in managing the supply chain via Farmer Producer Companies.

connected people to health services where Sakhis and community clinics in villages liaised with Government and private practitioners for knowledge and treatment. Additionally, ACF in conjunction with the Harvard Chan School of Public Health, has initiated a 2 year action research project in Bhatinda, Punjab with data collection completed for the first year covering 12 villages with approximately 62,000 people.

Tackling Non-Communicable Disease with M-Diabetes App

ACF in partnership with NGO Arogya World, launched the M-Diabetes App across all locations as a major initiative in its efforts to combat Non-Communicable Disease via behaviour change of 2 lakh people over the next 3 years. The initiative is being rolled out by ACF's trained Sakhis as part of the health programme, who are introducing the free M-Diabetes programme to community members and encouraging them to participate.

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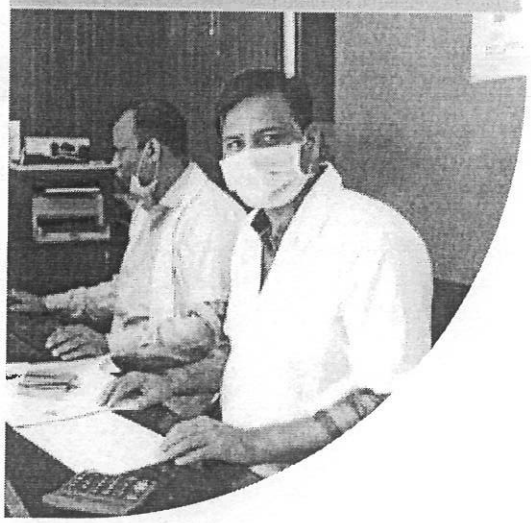


Creating Clean and Tobacco Free Schools

ACF has trained adolescents as Swachta Doots (Cleanliness Ambassadors) to play a pivotal role in monitoring and educating peers and community on hygiene and sanitation behaviour at a village and school level. 116 Swachta Doots are spreading awareness across 146 villages. Additionally, 44 schools are tobacco free in Chirawa, Kodinar and Farakka.

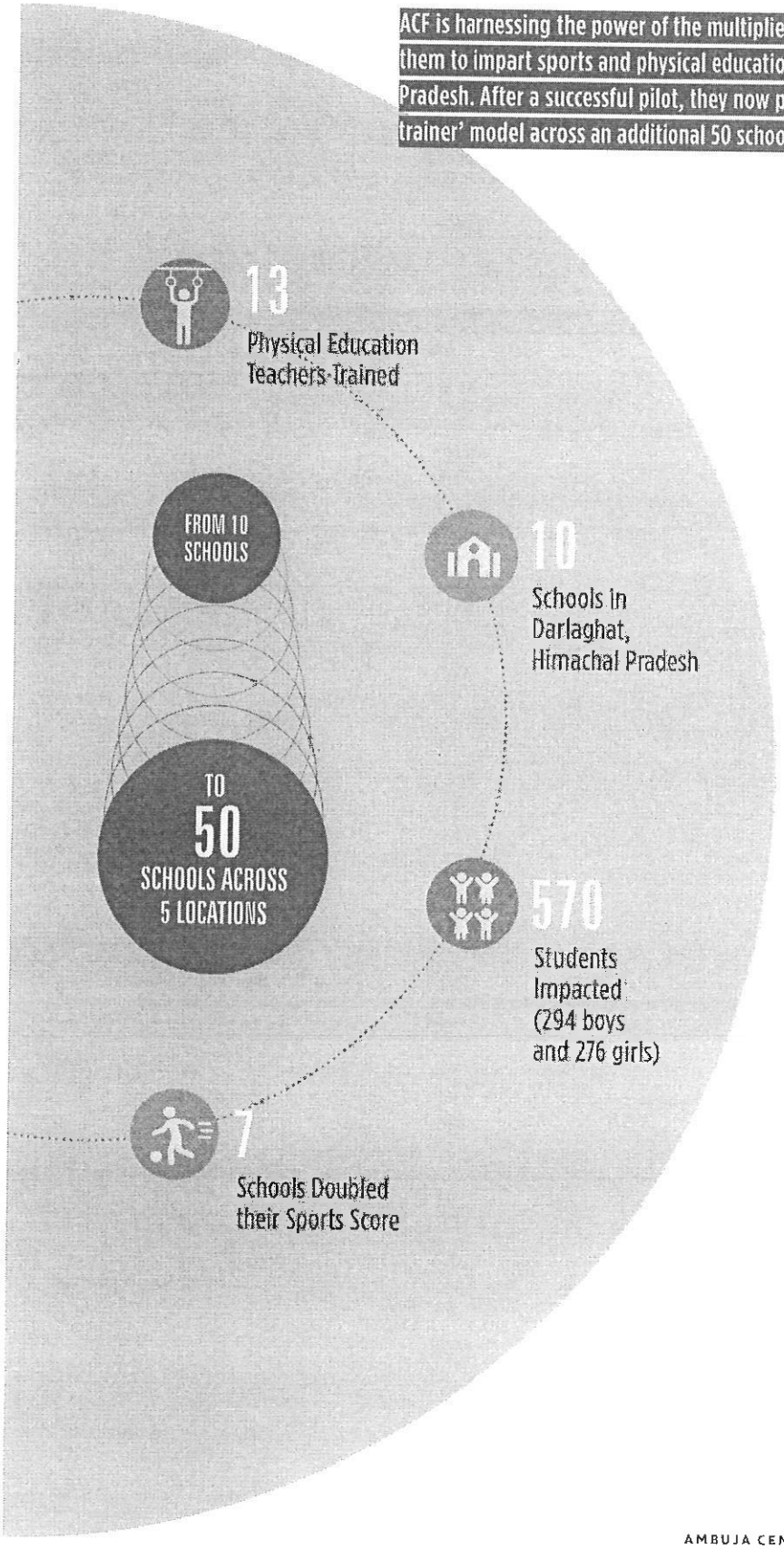
Mandatory Health & Safety Initiatives Carried Out

2019 saw many Health & Safety initiatives carried out across ACF locations in an effort to change the culture and behaviour around health and safety across programmes and workplaces:

- With the recent threat of COVID-19, awareness sessions were conducted by ACF health teams, other awareness sessions were also conducted throughout the year on common diseases like malaria.
- SHG women in Chandrapur, having seen an opportunity and need, have established an outlet to provide Health & Safety equipment to key stakeholders at Maratha Cement Works - providing safety helmets, reflector jackets, safety shoes, safety goggles and wheel guards on a rental basis. Labourers pay a minimal rate to avail the necessary safety gear.
- Safety sessions were conducted on Personal Protective Equipment (PPE) and demonstration on working with it at a workplace by SEDI students.
- A workshop and mock drill was organized in collaboration with the Fire & Safety Department in Himachal Pradesh.
- SEDI students demonstrated a road safety skit which educated SEDI students and advocated road safety within the broader community.

SPORTS IN EDUCATION

ACF is harnessing the power of the multiplier effect by training PT Teachers and empowering them to impart sports and physical education to hundreds of students across Himachal Pradesh. After a successful pilot, they now plan to replicate and roll out the 'train the trainer' model across an additional 50 schools from 5 locations in 2021.



ACF has initiated a pilot project to promote sports in schools with the aim to build stamina among each and every child, which in return will be helpful in keeping children healthy and strong - both physically and mentally.

13 Physical Education Teachers from 10 schools across Darlaghat, Himachal Pradesh were trained under this programme, developing their capacity to deliver engaging, impactful sports programmes - reaching out to 570 students (294 boys and 276 girls).

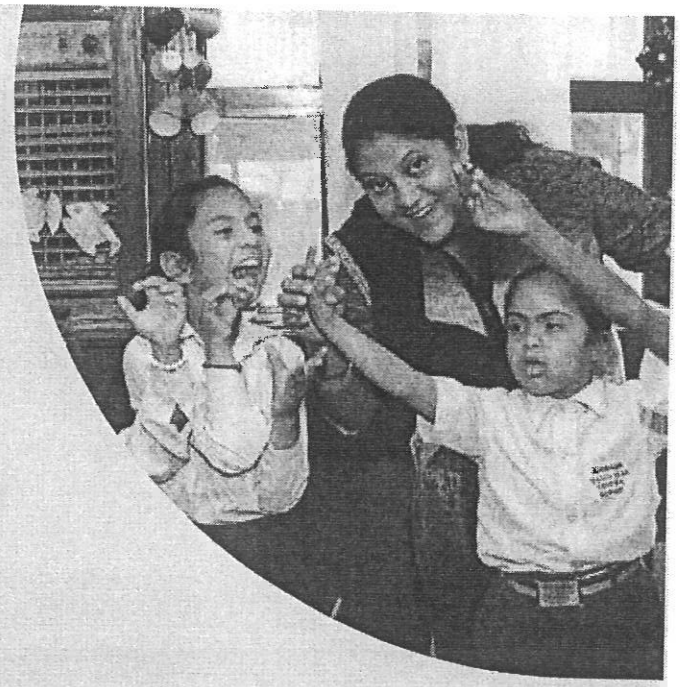
A range of sports and physical exercise activities were implemented in schools twice a week, with the teachers receiving a refresher training mid-year to identify and discuss issues, improve skills and knowledge on teaching sports.

ACF is planning to scale the programme in 2020-21, taking the programme from 10 to 50 schools across 5 locations.

Participation in sport is an integral part of child development and helps imbibe a culture of 'physical activity' in children - helping curb many future health issues in adulthood. Sport has many physical and mental benefits, including:

- Reduced risk of obesity
- Increased cardiovascular fitness
- Healthy growth of bones, muscles, ligaments and tendons
- Improved coordination and balance
- Improved sleep
- Mental health benefits, such as greater confidence
- Improved social skills
- Improved personal skills, including cooperation and leadership.

AMBUJA MANOVIKAS KENDRA



Ambuja Manovikas Kendra, an institution standing strong for the past 19 years, is training 127 children with intellectual disabilities - of which 99 are enrolled in regular schooling, 11 are under home-based rehabilitation and 17 are under the Skill & Rehabilitation Centre.

State Award given to Self Employed Woman with Disabilities

Ramandeep Kaur, a trainee of the Skill & Rehabilitation Centre at Ambuja Manovikas Kendra, was felicitated with a State Award 2019 by the Punjab Government for being the Best Self-Employed person with a disability (Female Category). Graduating in 2018 from AMK, Ramandeep is successfully working on income generation activities making different products at home and selling them at festivals like Diwali and Rakshabandhan. With this she is able to earn an average of Rs. 2,000 per month through her business. She received a certificate and cash prize of Rs. 10,000/-

AMK Bags Champions Trophy for the 14th Time

AMK once again bagged the Overall Championship Trophy at the 22nd Punjab State Special Olympic Games for the 14th time with the title of Best Institute of the State in Sports. AMK athletes won 25 gold medals, 10 silver medals and 1 bronze in Athletics - competing against 600 participants from 57 special schools. Our athletes once again proved that hard work and motivation to win can lead to excellence!

2 Students of AMK pass NIOS Exams

Kamaljeet Singh and Ravi Puri, who appeared during the 2018-19 session of NIOS (National Institute of Open Schooling), have passed with good grades in the 10th examination. This is the third successive year where AMK students have cleared their exams and staff have shortlisted 7 more students to register for the same exam for 2019-20.

Rakshabandhan Provides Platform for Profits

After the successful completion of 1 year of training in making artificial jewellery, 6 trainees from AMK's Skill & Rehabilitation Centre, have successfully started home-based businesses. During the Rakshabandhan festival, the trainees set targets to make 1000 Rakhis and sell them at the local markets. With parents and staff involved in the sourcing and purchase of raw material, the trainees sold Rakhis worth Rs. 70,041 and took home a profit of Rs. 54,361 – thanks to an exhibition cum sale at local schools, institutions and industries. AMK has helped 32 differently abled youth move into different vocations like artificial jewellery, pottery and baking, via their Skill & Rehabilitation Centre. Currently 26 trainees are learning trades to support their livelihood, including basic computer training (tally and GST).

Awards & Recognition Continue to Flow at AMK

- Amardeep Kaur, Special Educator of AMK was honoured by the Cabinet Minister of Punjab for her tremendous work providing Government benefits to special children and adults of AMK. She was also honoured by the District administration during Independence Day 2019 for her efforts.
- AMK students won prizes in Solo Dancing and Duet Dance Performances at a dance competition organized by Citi Entertainment Network, Chandigarh.
- AMK also clinched the Overall Championship Trophy at the Punjab State-level Cultural Competition 'UMANG 2019' for the fourth year in a row.

MADHYA PRADESH

- MP Building and Other Construction Workers Welfare Board
- National Urban Livelihood Mission

MAHARASHTRA

- Jalayukt Shivar Abhiyan, Government of Maharashtra
- Hirar Rotary Club Chandrapur (Women)
- Rotary Club of Chandrapur (Men)
- District Skill Development Executive Committee, Chandrapur
- MAVIM, Gondiya,
- School Education and Sports Department, Mumbai
- Chest Research Foundation, Pune
- Govt. Medical College, Chandrapur
- Salaam Mumbai Foundation
- Maharashtra Skill Development Society, Mumbai
- District Skill Development, Employment and Entrepreneurship Guidance Center, Chandrapur
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

PUNJAB

- Punjab Skill Development Mission
- Department of Agriculture, Govt. of Punjab
- Department of Soil & Water Conservation, Govt. of Punjab
- Department of Health & Family Welfare, Govt. Punjab
- Punjab Agriculture University- Ludhiana
- National Trust, GOI
- Rotary, Club, Ropar
- Special Olympics Bharat, Punjab Chapter
- National Institute for Mentally Handicapped, Government of India
- Sarbat Da Bhalla Charitable Trust
- Ambuja Educational Institute-Kolkata

RAJASTHAN

- Department of Forest, Government of Rajasthan
- College of Technology and Agriculture Engineering, Udaipur
- Birla Institute of Technology and Science, Pilani
- Rajasthan State AIDS Control Society (RSACS)
- CAZRI, Jodphur
- Department of Industries Jaipur, Rajasthan
- Tarun Bharat Sangh-Alwar
- Mukhya Mantri Jal Swavlambhan Abhiyan-Jaipur
- Rajasthan Forestry & Biodiversity Project-Rajasthan Government
- Rajasthan Agriculture Competitiveness Project
- Centre for Micro Finance
- Salaam Mumbai Foundation

UTTARAKHAND

- Uttarakhand Organic Board
- Krishi Vigyan Kendra - Dhanori
- Department of Agriculture- Govt. of Uttarakhand
- Hiral Lab- Bhagwanpur
- Indian Army- Roorkee
- RSETI-Punjab National Bank- Bhagwanpur

UTTAR PRADESH

- Department of Women & Child Development, Govt. of Uttar Pradesh
- Department of Horticulture, Govt. of Uttar Pradesh
- Krishi Vigyan Kendra - Gautam Buddh Nagar, Uttar Pradesh
- Department of Agri - Gautam Buddh Nagar, Uttar Pradesh
- National Thermal Power Corporation Ltd - Dadri
- Tech Mahindra Foundation
- STMicroelectronics Foundation
- Building and Wood Workers' International (BWI)
- Everest Foundation

WEST BENGAL

- Samaritan Help Mission, Bankra, Howrah
- Central Institute for Freshwater Aquaculture
- Department of Agriculture – Murshidabad
- Block Development Offices – Farakka, Murshidabad
- Deen Dayal Upadhyaya Grameen Kaushalya Yojana, Government of West Bengal Skill Development
- National Thermal Power Corporation
- Salaam Mumbai Foundation
- NABARD-Kolkata
- Krishi Vigyan Kendra