ADITYA BIRLA

HINDALCO

16th December 2024

To,

The Director
Ministry of Environment and Forests
Paryavaran Bhavan
CGO Complex Lodhi Road
New Delhi 110 003

Sub: Report on compliance status against the conditions stipulated in Environment Clearance Certificate issued for expansion of Alumina plant from 270 KT/annum to 587 KT/annum along with coal based 18 MW captive power plant of Hindalco Industries Limited located at Belagavi, Karnataka.

Ref: 1. Environment Clearance Certificate J – 11011/70/2000 – IA II (I) dated December3, 2004.
2. Amendment to the above EC, J – 11011/70/2000 – IA II (I) dated September14, 2009.

Dear Sir,

Please refer to the above-mentioned Environmental Clearance granted to us. We are herewith enclosing the six-monthly compliance report for the period **April-2024 to September- 2024.** The compliance report being submitted here with, considers all the conditions stipulated to the project vide the original Environment Clearance granted in December 2004 and the amended scope in September 2009.

Hope you find the same in order.

Thanking you,

Yours very truly,

Abhijeet Bandi
Joint President &Unit Head
Belagavi Works

Encl: As above

Annexure - 1

: Status Report on Compliance to EC conditions:

A. SPECIFIC CONDITONS:

Sl. No	Environment Clearance Conditions	Compliance Status
i	The gaseous emissions from various process units should conform to the standards prescribed from time to time. The state Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry, its size and location. At no time the emissions levels should go beyond the prescribed standards. In the event of failure of the any pollution control system adapted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency. Ambient air quality data should be regularly monitored, and records and reports submitted to the Ministry / CPCB / Karnataka State Pollution Control Board once in six months.	Flue gas emissions from authorized stacks are monitored and the emissions from the authorized stacks of existing facilities are in conformance with the standards as stipulated in Consent for Operation issued under Air (Prevention & Control of Pollution) Act1981. The stack monitoring results are submitted to KSPCB on monthly basis. An extract of the monitoring values for the period April-24 to September-24 is attached. Refer ***Annexure-2*** Online Emission Monitoring devices are provided for all authorized Calciners, and data connectivity is given to CPCB server as per their direction. Ambient Air quality is monitored at four locations. The monitoring locations are jointly identified and are in agreement with KSPCB. The monitoring results are submitted to the State Pollution Control Board on monthly basis. Monthly average values of CAAQMS station are being submitted to KSPCB Regional Office. An extract of the monitoring values for the period April-24 to September-24 is attached. Refer ***Annexure- 3.***
ii	There should be no discharge of process effluent as reflected in EIA / EMP report; the proposed expansion shall be designed for zero discharge. In addition, efforts shall be made to re-use wastewater from the existing plant. The domestic wastewater after treatment in sewage treatment plant should be used for green belt development.	The process effluent generated from the existing facility is treated in the Effluent Treatment Plant. The treated effluent is stored in a lined pond, and it is reused in the process as well as for sprinkling in the bauxite residue dumping area.to suppress airborne dust. The domestic effluent from the township after treatment in STP is used for watering the green belt developed along the property boundary.

Sl. No	Environment Clearance Conditions	Compliance status
iii	In plant control measures for checking fugitive emissions from spillage / raw materials handling should be provided.	Various control measures are installed to reduce fugitive dust emission in the plant as mentioned below: a. All incoming Bauxite trucks are covered with tarpaulin to mitigate air borne dust during transportation. b. Sprinkling of water is done on transport roads within the premises using mobile tankers. c. Regular sweeping and recovery of spilled Bauxite is done along the approach roads. d. Maximized direct feed of bauxite into process equipment, as against storing and then reclaiming, is practiced during non-monsoon season. e. Emergency stock of Bauxite is stored in covered sheds & Bauxite heaps are covered with tarpaulin sheets to avoid fugitive dust. f. Trees planted along the plant boundary to check fugitive dust. g. The boundary wall of the bauxite stock yard is provided with dust nets for about 8-10 mtr height.
iv	The particulate emissions from the new calciner shall be controlled by installation of electrostatic precipitator. The particulate emissions shall not exceed 50 mg/Nm^3. All the boiler stacks shall be provided with stack height as per the CPCB guidelines. The boiler and calciner stacks should be equipped with continuos monitoring devices to check the SPM emissions level.	Particulate emission from new calciner is being controlled within 50 mg/Nm^3 by installing ESP. A RCC chimney of height **91 meters** for five Nos. of existing boilers has been constructed and commissioned in the year Dec-2007. Also, a common Chimney of **84 Mts** height has been installed for Calciner No 1, 2 &3. Online Emission Monitoring devices are provided for all authorized Calciners as per CPCB guidelines.
v	The company should adapt dry disposal system for red mud disposal. The ground water quality should be monitored around the red mud ponds and lagoon by providing piezometric holes.	Dry mud stacking is practiced since 1985 and is in compliance with the CREP guidelines. The same practice will be continued for the expanded facility. The quality of the ground water bodies in the vicinity of red mud pond jointly identified by GES, SPCB and Hindalco are monitored on regular basis. An extract of the monitoring values for the period April-24 to September-24 is attached. Refer. ***Annexure- 4***
	The company should rehabilitate the abandoned red mud pond areas with development of green cover.	Phase wise rehabilitation of abandoned portions of red mud pond is in progress. So far 32 acres of abandoned surface has been brought under green cover.
vi	As and when the new pond for red mud disposal is to be constructed, it should be lined with geo lining to prevent leaching of effluent into the ground water.	New effluent holding pond has been covered with 0.90 m compacted clay lining and 1 mm thick HDPE lining as per the design by Indian Institute of Science, Bangalore (IISc). The lining is intact.

vii	A green belt of adequate width and density should be developed in an area of 50 acre in additions to 293 acres of area within and around the plant premises as per the CPCB guidelines.	The total area covered under green belt is 517.55Acres. The percentage area under green belt is 45.35 %. During the year 2023-24 so far,800 saplings were planted. Ref ***Annexure 5***
viii	Occupational health surveillance of the worker should be done on a regular basis and records maintained as per the factories act.	The unit is certified for ISO 45001:2018, Occupational Health and Safety Management. The occupational health survey for the permanent and the contract employees is being done regularly.
ix	All the recommendations of the charter for Corporate Responsibility for Environment Protection (CREP) for the aluminum sector should be strictly implemented.	Complied with respect to the dry mud stacking of red mud, which is the only recommendation for Alumina Refinery.

B. GENERAL CONDITIONS

i	The project authorities must strictly adhere to the stipulations made by the KSPCB and the State Government.	Being adhered to.
ii	Adequate ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO_2 & NOx are anticipated in consultation with State Pollution Control Board. Data on ambient air quality, fugitive emissions and stack emissions should be regularly submitted to the ministry including its regional office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	The quality of ambient air is being -monitored at four different stations established in consultation with local authorities of the State Pollution Control Board. Monitored data with respect to quality of ambient air, flue gas emissions from the authorized stacks is monitored and reported to the Board on scheduled basis.

Sl. No	Environment Clearance Conditions	Compliance status
iii	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	Noted and shall be complied.
iv	Industrial wastewater should be properly collected treated so as to conform to the standards prescribed under GSR (E) dated 19th May – 1993 and 31st December 1993 or as amended from time to time. The treated wastewater should be utilised for plantation purpose.	The process effluent generated from the existing facility is treated in the Effluent Treatment Plant. The treated effluent is stored in a lined pond, and it is reused in the process as well as for sprinkling in the bauxite residue dumping area.to suppress airborne dust. The domestic effluent from the township after treatment in STP is used for watering the green belt developed along the property boundary.

v	The overall noise level in and around the plant area should be kept well within the standards (85 dba) by providing noise control measures including acoustic hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise level should conform to the standards prescribed under EPA rules, 1989 viz 75 dba (daytime) and 70 dba (nighttime)	Adequate Noise control measures have been taken up by providing enclosed buildings. These noise generating areas are generally unmanned. However, people required to work in such areas are strictly adhering to use of PPE's. The ambient noise level monitored at the boundary of the factory premises is found to be well within the standards as prescribed under EP Rules 1986. Refer ***Annexure 6a and 6b.***
vi	The project proponent shall comply with all the environmental protection measures and safeguard recommended in the EIA / EMP report. Further the company must undertake socio –economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	Several socio-economic development activities are taken up under Community development programmes. A report for the period April - 24 to September-24 for Community Development activities is enclosed. Refer ***Annexure 7.***
vii	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the ministry of environment and forest as well as the state government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Funds are provided to implement the proposals as part of the annual capital / operating expenditure plans.
viii	The regional office of this ministry at Bangalore / Central Pollution Control Board / State Pollution Control Board will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with the statistical interpretation should be submitted to them regularly.	Half yearly compliance reports are submitted on time to the concerned authorities regularly.
ix	The project authority should inform the regional office as well as the ministry, the date of financial closure and the final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted and shall be adhered to.

: Status report on compliance to EC conditions (Revised):

Sl. No	Environment Clearance Conditions	Compliance status
i	The particulate matter from co-generation power plant should not exceed 50 mg/Nm^3. NOx burners should be installed to control NOx emissions, At no times the emissions levels of SPM, SO_2, NOx, HF Fluorine and poly aromatic hydrocarbon shall go beyond the prescribed standards. Interlocking facility shall be provided so that process can be automatically stopped in case emissions levels exceeds the limits.	Biomass based Cogen power plant was commissioned and stated norms is being adhered by installing online PM analyzer with continuous data connectivity to CPCB server. We endeavor to adapt the best available technology for high resource efficiency and reduced environmental impacts. Please note that, Aluminum Smelter Operation is not existing in our premises.
ii	Data on ambient air quality, stack emission and fugitive emissions shall be uploaded on company's website and also regularly submitted online to the Ministry's regional office at Bangalore, Karnataka State pollution Control Board, and Central Pollution Control Board as well as hard copy once in six months. Data on SPM, SO_2, NOx, HF and poly aromatic hydrocarbon shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Six monthly compliance reports are being submitted to the concerned authorities regularly. Pollution monitoring data are uploaded on our company website. Please note that we have discontinued our smelting operations. Hence there is no discharge of HF, Fluorine, and poly aromatic hydrocarbons, hence not monitored.
iii	Proper utilization of fly ash shall be ensured as per fly ash notification, 1999 and subsequent amendment in 2003. All the fly ash shall be provided to the cement and brick manufacture for further utilization.	Noted and shall be adhered to.
iv	All the fly ash should be stored in silos of adequate capacity. Pneumatic transfer of fly ash to silos should be ensured. Adequate pollution control measures should be adapted to control dust emissions.	Noted and shall be adhered to.
v	Total capacity of alumina hydrate /alumina, vanadium and coal-based co-generation plant should not exceed 587 KTPA, 120 TPA and 18 MW (2*9 MW) respectively.	Noted and shall be adhered to.
vi	No further expansion and modification in the plant should be carried out without prior approval of Ministry of Environment and Forests.	Noted.

Annexure-2

PM Emissions from Authorised Stacks April-24 to Sept-24			
Stacks Attached to	**Kiln Common Chimney**	**Hydrate pre-calciner**	**Alumina Calciner - 4**
Parameters	**Particulate Matters (mg/Nm^3)**		
Specified Limit	**150**	**150**	**50**
Apr-24	49.10	10.6	NO
May-24	34.08	13.6	5.65
Jun-24	43.39	16.4	11.91
Jul-24	23.77	28.04	12.74
Aug-24	38.25	20.91	8.10
Sep-24	30.42	11.41	11.08
Average	**36.50**	**16.83**	**9.90**

NO = Not Operated
NM= Not Monitored

Ambient Air Quality April-24 to Sept-24

Location	STAFF COLONY				INSIDE FACTORY Chemical Lab Roof				RED MUD POND 2				RED MUD POND 3			
Parameter	PM ($\mu g/m^3$)		NOx ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	PM ($\mu g/m^3$)		NOx ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	PM ($\mu g/m3$)		NOx ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	PM ($\mu g/m^3$)		NOx ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)
Specified limit	PM 10	PM 2.5	80	80	PM 10	PM 2.5	80	80	PM 10	PM 2.5	80	80	PM 10	PM 2.5	80	80
Apr-24	54.00	25.00	14.20	8.36	78.50	37.50	17.20	11.94	81.60	54.20	16.91	12.05	68.00	45.80	17.20	12.41
	43.70	12.50	12.63	6.52	73.60	33.30	15.47	16.68	90.70	50.00	15.58	15.69	93.00	45.80	14.26	12.25
May-24	40.4	20.80	13.58	9.56	58.10	20.80	18.57	10.58	82.90	45.80	17.69	11.69	73.00	41.70	18.47	11.58
	43.70	16.70	12.14	8.25	50.40	16.70	17.59	11.54	86.40	41.70	15.69	12.58	84.90	37.50	17.59	12.69
Jun-24	38.10	16.70	9.25	8.52	23.50	24.30	8.25	6.58	70.60	37.50	10.25	8.52	78.00	45.80	10.23	8.25
	32.30	12.50	8.62	7.54	4.20	8.30	8.36	7.24	75.70	33.30	10.36	9.25	77.70	25.00	8.26	7.21
Jul-24	21.10	8.30	6.25	8.22	12.60	4.20	5.65	6.12	29.30	4.20	8.14	7.14	30.10	8.30	8.47	6.14
	25.90	8.30	5.24	4.52	16.40	4.20	4.36	5.14	37.30	8.30	5.63	2.17	35.70	4.20	5.58	5.36
Aug-24	36.40	12.50	9.47	8.51	26.30	4.20	9.58	10.65	41.70	12.50	10.36	9.65	20.50	16.70	8.69	9.62
	31.40	16.70	6.25	6.28	27.50	4.20	8.14	9.25	35.50	16.70	8.47	8.14	34.20	8.30	7.21	7.21
Sep-24	29.30	12.50	9.47	10.25	36.60	8.30	9.47	10.88	63.60	29.20	9.05	9.14	70.40	29.20	9.63	10.00
	25.00	16.70	7.52	8.69	40.20	8.30	9.10	10.47	68.00	25.00	9.12	10.21	68.00	33.30	8.69	9.63
Average	**35.11**	**14.93**	**9.55**	**7.9**	**37.33**	**14.53**	**10.98**	**9.76**	**63.61**	**29.87**	**11.44**	**9.7**	**61.13**	**28.47**	**11.19**	**9.4**
Max	**54.00**	**25.00**	**14.20**	**10.3**	**78.50**	**37.50**	**18.57**	**16.68**	**90.70**	**54.20**	**17.69**	**15.7**	**93.00**	**45.80**	**18.47**	**12.7**
Min	**21.10**	**8.30**	**5.24**	**4.5**	**4.20**	**4.20**	**4.36**	**5.14**	**29.30**	**4.20**	**5.63**	**2.2**	**20.50**	**4.20**	**5.58**	**5.4**

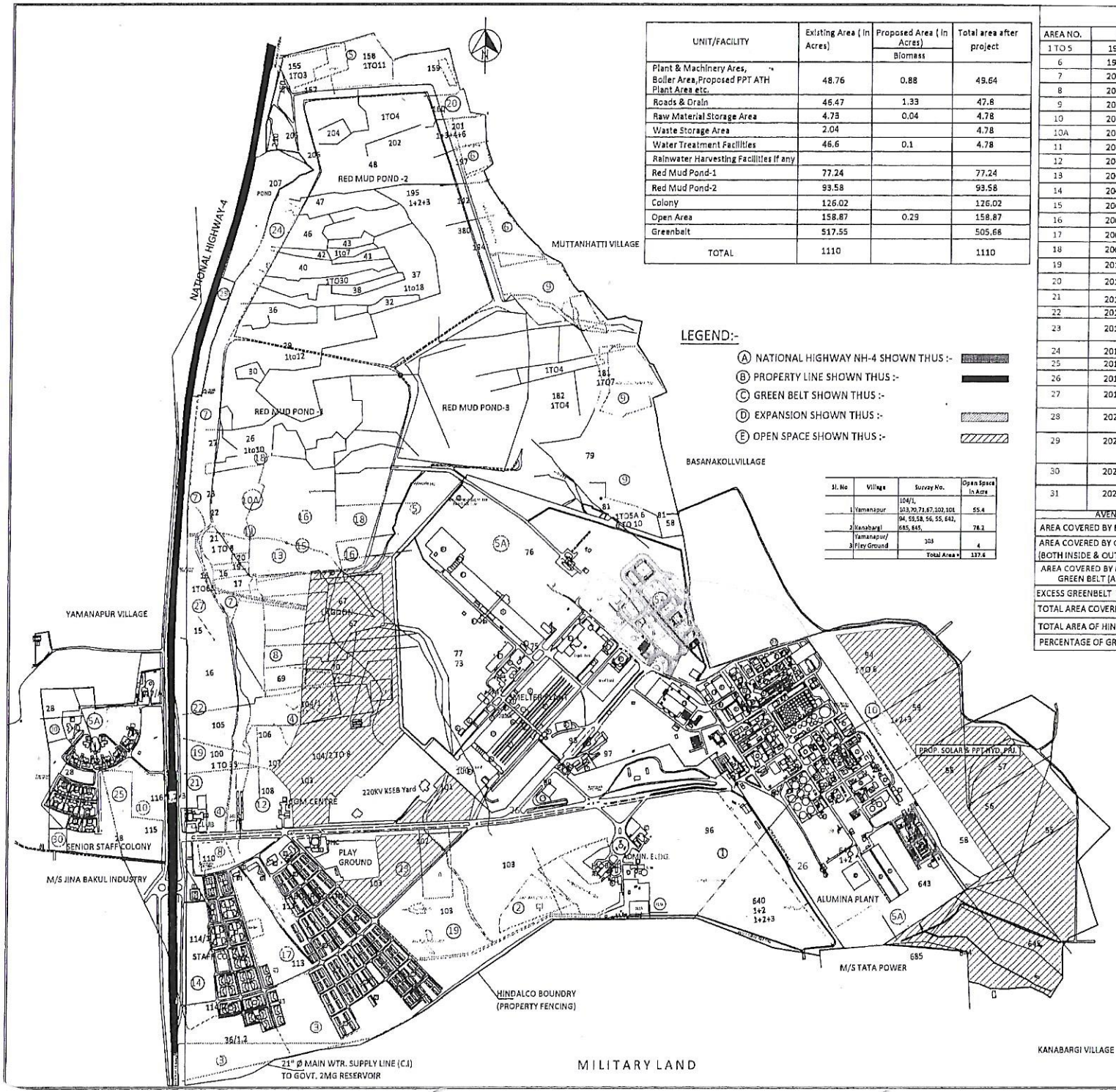
Specified Limit for PM 10 = 100
Specified Limit for PM 2.5 = 60

Annexure - 4

Ground Water Quality. April-24 to Sept-24															
Location & distance from red mud pond	Bore well in staff colony (0.5 km)			Yamnapur open well (0.5 km)			Kangrali bore well (1.5km)			Muttanati bore well (1.0 km)			Baswankol open well (1.5 km)		
Parameter	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l	pH	Alk mg/l	TDS mg/l
IS 10500 -1992 limits	6.5-8.5	-	500	6.5-8.5	-	500	6.5-8.5	-	500	6.5-8.5	-	500	6.5-8.5	-	500
Apr-24	7.68	203	480	6.63	118	460	6.78	216	456	6.34	127	476	6.76	166	336
May-24	6.76	202	460	6.59	107	380	NA	NA	NA	6.22	134	480	6.53	95	400
Jun-24	7.64	250	412	6.61	125	404	6.82	136	412	6.47	114	460	6.57	91	384
Jul-24	6.64	178	360	6.47	111	412	6.68	133	488	6.47	111	464	NA	NA	NA
Aug-24	6.68	217	288	6.73	155	412	6.94	207	428	NA	NA	NA	NA	NA	NA
Sep-24	6.75	212	320	6.7	149	280	7.00	127	328	6.41	106	412	6.55	149	412
Avg	**7.03**	**210.3**	**386.7**	**6.62**	**127.5**	**391.3**	**6.84**	**163.8**	**422.4**	**6.38**	**118.4**	**458.4**	**6.60**	**125.3**	**383.0**
Max	**7.68**	**250**	**480**	**6.73**	**155**	**460**	**7.00**	**216**	**488**	**6.47**	**134**	**480**	**6.76**	**166**	**412**
Min	**6.64**	**178**	**288**	**6.47**	**107**	**280**	**6.68**	**127**	**328**	**6.22**	**106**	**412**	**6.53**	**91**	**336**

NA= Not Available

Ans-5



UNIT/FACILITY	Existing Area (In Acres)	Proposed Area (In Acres)	Total area after project
		Biomass	
Plant & Machinery Ares, Boiler Area,Proposed PPT ATH Plant Area etc.	48.76	0.88	49.64
Roads & Drain	46.47	1.33	47.8
Raw Material Storage Area	4.73	0.04	4.78
Waste Storage Area	2.04		4.78
Water Treatment Facilities	46.6	0.1	4.78
Rainwater Harvesting Facilities if any			
Red Mud Pond-1	77.24		77.24
Red Mud Pond-2	93.58		93.58
Colony	126.02		126.02
Open Area	158.87	0.29	158.87
Greenbelt	517.55		505.66
TOTAL	1110		1110

LEGEND:-

Ⓐ NATIONAL HIGHWAY NH-4 SHOWN THUS :-

Ⓑ PROPERTY LINE SHOWN THUS :-

Ⓒ GREEN BELT SHOWN THUS :-

Ⓓ EXPANSION SHOWN THUS :-

Ⓔ OPEN SPACE SHOWN THUS :-

Sl. No	Village	Survey No.	Open Space In Acre
1	Yamanapur	104/1, 103,70,71,67,102,101	55.4
2	Kanabargi	94, 59,58, 56, 55, 642, 685, 645,	78.2
3	Yamanapur/ Play Ground	103	4
		Total Area =	137.6

ENERGY PLANTATION

AREA NO.	YEAR	NOS.	AREA (ACRES)
1 TO 5	1982-1993	241000	210.5
6	1994-1995	25000	25
7	2000-2001	25000	(19) RE-PLANTED
8	2001-2002	27000	(19) RE-PLANTED
9	2002-2003	27000	30
10	2003-2004	1400	14
10A	2003-2004	-	2.5 (RMP#1 TOP)
11	2004-2005	3000	5 (RMP#1 TOP)
12	2004-2005	2000	4
13	2005-2006	-	5 (RMP#1 TOP)
14	2006-2007	2500	(5) RE-PLANTED
15	2006-2007	2500	4 (RMP#1 TOP)
16	2007-2008	1400	6.20 (RMP#1 TOP)
17	2007-2008	4500	9.5
18	2009-2010	1400	6.20 (RMP#1 TOP)
19	2011-2012	8000	(4 & 2) RE-PLANTED
20	2011-2012	6000	6 (RMP#2 BUND)
21	2013-2014	8500	1.235
22	2014-2015	10000	(2.50) RE-PLANTED
23	2015-2016	8500	2.50 (OPEN SPACE NEAR PLAY GROUND)
24	2016-2017	7000	(5) RE-PLANTED
25	2017-2018	4000	3.19 A, B &C BAKSIDE
26	2018-2019	6000	13.845 PLANT BOUNDARY
27	2019-2020	3100	4.50 (RMP#1 BUND) TOWARDS HIGHWAY
28	2020-2021	2800	SENIOR STAFF COLONY (DEF) WITHIN PLANT
29	2021-2022	2000	RMP HIGHWAY,COLONY AREA, WITHIN PLANT PREMISES
30	2022-2023	1000	800 IN COLONY & 200 IN PLANT
31	2023-2024	800	800 IN PLANT AREA
AVENUE TREES		50000	

AREA COVERED BY ENERGY PLANTATION	357.17 ACRES
AREA COVERED BY GARDEN (BOTH INSIDE & OUTSIDE THE PLANT)	62 ACRES
AREA COVERED BY EXISTING NATURAL GREEN BELT (AREA 5A)	40 ACRES
EXCESS GREENBELT TREATED AS UNUSED LAND	52.38 ACRES
TOTAL AREA COVERED BY GREEN BELT	517.55 ACRES
TOTAL AREA OF HINDALCO, BELGAUM	1141.035 ACRES
PERCENTAGE OF GREEN BELT	45.35 %

SPE
1) SUBABU
2) ACASIA
3) GULMO
4) EUCALYP
5) CASUAR
6) MANGO
7) JACK FR
8) JAMUN
9) NEEM
10) SISUM
11) AUMLA
12) BADAM
13) PONGA
14) ASHOKA
15) BAMBO
16) TEAK
17) KADAM
18) JACORA
19) GLYRSE
20) PRIDE O

TOTAL No
8, 5

NO.	DATE	REVISIONS
25	16.12.24	24-25 PLANTATION ADDED
24	08.12.23	23-24 PLANTATION ADDED
23	06.09.22	22-23 PLANTATION ADDED
22	01.12.21	21-22 PLANTATION ADDED
21	10.12.20	20-21 PLANTATION ADDED
20	17.03.20	19-20 PLANTATION ADDED
19	04.05.19	18-19 PLANTATION ADDED
18	26.12.17	17-18 PLANTATION ADDED
17	08.06.17	16-17 PLANTATION ADDED
16	08.07.16	15-16 PLANTATION ADDED
15	13.04.15	AREA UPDATED(NHAI ACQUIRED)

BELAGAVI WORKS
COLONY GENERAL B#50
ENERGY PLANTATION MAP

DRAWN : SIDDU		APPROV
TRACED		
CHECKED		

HINDALCO INDUSTRI
BELAGAVI WORKS

SCALE:- N.T.S. DRG NO. B07100-50G-

Hindalco Industries Limited
Belagavi Works

ndalco Industries Limited
Belagavi Works

Ann -6a

NOISE LEVEL MONITORING

DATE OF SAMPLING : **10-04-2024**

LOCATION OF THE SAMPLING : PLANT BOUNDARY.

SI. NO	NOISE SOURCE	LOCATION FROM SOURCE	NOISE LEVEL dB (A)	
			DAY TIME	NIGHT TIME
		Specified Time	**6.0 AM – 10 PM**	**10 PM – 6.0 AM**
		Monitoring Time	**9.00 -10.30 am**	**10.00 - 11.00 pm**
		Specified Limit	**75 dB(A)**	**70 dB(A)**
1.	Bauxite unloading	Kanbargi cross	61.58	54.26
2.	Crushing	CRP end	74.54	64.25
3.	Boiler	Behind Railway weigh bridge	71.25	60.25
4.	Machine shop	Behind Al / general stores	71.25	62.25
5.	Kiln	Behind Kiln area	70.69	68.25
6.	Alumina section	Opposite Hydrate ball mill	68.69	64.25
7.	Alumina bagging	Opposite PPDC office	71.25	65.25
8.	Machine shop	Opposite machine shop	69.25	66.25
9.	DMS section	DMS gate	73.56	65.14
10.	Weight bridge	Behind smelter scarp yard	74.14	65.25
11.	CPBP plant	Near 11000 KV junction	61.26	58.25
12.	Traffic	Smelter gate	70.26	61.25
13.	Plant	Near Canteen(outside plant gate)	68.14	61.25
14.	Plant	Al Plant gate	62.36	58.12

Hindalco Industries Limited
Belagavi Works

Ann-6b

NOISE LEVEL MONITORING

DATE OF SAMPLING : **10-07-2024**

LOCATION OF THE SAMPLING : PLANT BOUNDARY.

SI. NO	NOISE SOURCE	LOCATION FROM SOURCE	NOISE LEVEL dB (A)	
			DAY TIME	NIGHT TIME
		Specified Time	**6.0 AM – 10 PM**	**10 PM – 6.0 AM**
		Monitoring Time	**9.00 -10.30 am**	**10.00 - 11.00 pm**
		Specified Limit	**75 dB(A)**	**70 dB(A)**
1.	Bauxite unloading	Kanbargi cross	68.12	55.69
2.	Crushing	CRP end	73.69	61.25
3.	Boiler	Behind Railway weigh bridge	70.25	63.47
4.	Machine shop	Behind Al / general stores	69.47	63.47
5.	Kiln	Behind Kiln area	72.69	67.14
6.	Alumina section	Opposite Hydrate ball mill	65.47	66.47
7.	Alumina bagging	Opposite PPDC office	72.69	67.15
8.	Machine shop	Opposite machine shop	70.26	65.77
9.	DMS section	DMS gate	70.69	68.96
10.	Weight bridge	Behind smelter scarp yard	71.25	66.28
11.	CPBP plant	Near 11000 KV junction	65.24	65.36
12.	Traffic	Smelter gate	71.26	62.36
13.	Plant	Near Canteen(outside plant gate)	68.47	60.25
14.	Plant	Al Plant gate	63.47	56.98

Annexure -7

	Q1			
	Population Reached	Programme Spends	Overheads	Total spend Rs/-in Lakhs
		Expenses	Expenses	Amount
	(Nos)	Rs. (in lacs)	Rs. (in lacs)	Rs. (in lacs)
Education				
Pre school education	87	0.36	0.00	0.36
School Education Program	0	0.00	0.00	0.00
Education support programs	180	0.00	0.00	0.00
Vocational and Technical Education	6	0.00	0.00	0.00
School Infrastructure	280	2.03	0.00	2.03
Others				
Sub Total-Education	**553**	**2.38**	**0.00**	**2.38**
Health				
Preventive Health Care	0	0.05	0.00	0.05
Curative Health Care program	378	0.26	0.00	0.26
Reproductive and Child Health	0	0.00	0.00	0.00
Quality / Support Program	515	0.00	0.00	0.00
Health Infrastructure	25000	4.77	0.00	4.77
Others				
SubTotal-Health	**25893**	**5.08**	**0.00**	**5.08**
Sustainable Livelihood				
Agriculture and Farm Based	30	0.17	0.00	0.17
Animal Husbandary Based	0	0.00	0.00	0.00
Non farm & Skills Based Income generation Program	1168	1.84	0.00	1.84
Natural Resource conservation programs & Non conventional Energy	2200	0.00	0.00	0.00
Livelihood Infrastructure	0	0.00	0.00	0.00
Any others				
Sub Total-Sustainable Livelihood	**3398.00**	**2.01**	**0.00**	**2.01**
Infrastructure				
Rural Infrastructure Development other than for the purpose of Health /Education /Livelihood	0	3.49	0.00	3.49
SubTotal-Infrastructure	**0**	**3.49**	**0.00**	**3.49**
Social Development Projects				
Institutional building & strengthening	0	0.08	0.00	0.08
Support to development organizations	0	0.00	0.00	0.00
Social Security	6	5.86	0.00	5.86
Awareness programmes	802	0.00	0.00	0.00
Social Events to minimise causes of poverty	0	0.30	0.00	0.30
Promotion of heritage/culture/Sports	550	0.08	0.00	0.08
Disaster Relief Programmes	0	0.00	0.00	0.00
Impact Assessment/Others	0	0.00	0.00	0.00
PM Care+COVID	0	0.00	0.00	0.00
Sub Total- Social development Projects	**1358**	**6.32**	**0.00**	**6.32**
Salary and Overheads	1	0.01	0.00	0.01
Grand Total	**31203**	**19.29**	**0.00**	**19.29**

Annexure- 7

	Q2			
	Population Reached	Programme Spends	Overheads	Total spend Rs/-in Lakhs
		Expenses	Expenses	Amount
	(Nos)	Rs. (in lacs)	Rs. (in lacs)	Rs. (in lacs)
Education				
Pre school education	0	0.47	0.00	0.47
School Education Program	441	0.13	0.00	0.13
Education support programs	5311	0.00	0.00	0.00
Vocational and Technical Education	0	0.50	0.00	0.50
School Infrastructure	281	3.18	0.00	3.18
Others				
Sub Total-Education	**6033.00**	**4.28**	**0.00**	**4.28**
Health				
Preventive Health Care	2428	0.00	0.00	0.00
Curative Health Care program	2010	0.25	0.00	0.25
Reproductive and Child Health	83	0.00	0.00	0.00
Quality / Support Program	318	0.00	0.00	0.00
Health Infrastructure	1200	3.88	0.00	3.88
Others				
SubTotal-Health	**6039**	**4.13**	**0.00**	**4.13**
Sustainable Livelihood				
Agriculture and Farm Based	30	0.00	0.00	0.00
Animal Husbandary Based	0	0.00	0.00	0.00
Non farm & Skills Based Income generation Program	1062	1.70	0.00	1.70
Natural Resource conservation programs & Non conventional Energy	150	0.35	0.00	0.35
Livelihood Infrastructure	0	0.00	0.00	0.00
Any others				
Sub Total-Sustainable Livelihood	**1242.00**	**2.05**	**0.00**	**2.05**
Infrastructure				
Rural Infrastructure Development other than for the purpose of Health /Education /Livelihood	0	1.89	0.00	1.89
SubTotal-Infrastructure	**0**	**1.89**	**0.00**	**1.89**
Social Development Projects				
Institutional building & strengthening	78	0.15	0.00	0.15
Support to development organizations	0	0.00	0.00	0.00
Social Security	0	0.00	0.00	0.00
Awareness programmes	0	0.40	0.00	0.40
Social Events to minimise causes of poverty	0	0.00	0.00	0.00
Promotion of heritage/culture/Sports	21505	1.49	0.00	1.49
Disaster Relief Programmes	0	0.00	0.00	0.00
Impact Assessment/Others	0	0.13	0.00	0.13
PM Care+COVID	0	0.00	0.00	0.00
Sub Total- Social development Projects	**21583**	**2.17**	**0.00**	**2.17**
Salary and Overheads	0	0.01	0.00	0.01
Grand Total	**34897**	**14.53**	**0.00**	**14.53**