



**Mahanadi
Coalfields
Limited**
(A Subsidiary of Coal India Limited)
A Mini Ratna Company

MAHANADI COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

OFFICE OF THE PROJECT OFFICER (T&H)/DLB
TALCHER COLLIERY

PO: DERA, DIST :-ANGUL (O) PIN-759 103
Tel:-06760 269955, Email -potalcher@gmail.com

No.PO(T&H)/Talcher/Half-yrly/EC Compliance report/2022-23/63

Date: 30/04/2022

To
The Additional Director,
Ministry of Environment Forest & Climate Change,
Eastern Zonal Office,
A-3, Chandrashekharpur,
Bhubaneswar – 751 023

REGD. POST

Sub:-Submission of Half Yearly Compliance Report of Environmental Clearance condition in respect of TALCHER U/G Mine (0.27 MTY)

Dear Sir,

Enclosed please find herewith Half Yearly Compliance Report along with Form-I, II & III and abstract of the monitoring report of Ambient Air, Noise level & Water Effluent quality in respect of TALCHER U/G Mine (0.27 MTY) for the period from Oct'2021 to Mar'2022.

This is for your kind information & necessary action.

Encl: As above.

Yours faithfully

PROJECT OFFICER (T&H/D)
TALCHER COLLIERY

Copy for Kind information to:-

1. The Director, E.I.A Monitoring Cell, Ministry of Environment & Forest, Paryavaran Bhawan, C.G.O.Complex, New Delhi-100003 (With Encl.)
2. The Member Secretary, State Pollution Control Board (Odisha), A/118, Nilakanthanagar, Unit-VIII, BBSR-751012. (With Encl.)
3. The Regional Officer, SPCB (Odisha), Regional Office, Industrial Estate, Angul. (With Encl.)
4. The General Manager, MCL, Talcher Area.
5. The General Manager (Environment,) MCL HQ, Burla, Sambalpur.

Copy to:-

1. The Colliery Manager, Talcher Colliery.
2. The Area Environment Officer, Talcher Area (with Encl.)
3. The Nodal Officer (Envt.), Talcher Colliery (with Encl.)

PROJECT OFFICER (T&H/D)
TALCHER COLLIERY

HALF YEARLY PROGRESS REPORT
OF COMPLIANCE WITH
ENVIROMENTAL CLEARANCE
CONDITIONS

(OCTOBER-2021 TO MARCH-2022)

TALCHER U/G MINE (0.27MTY)



MCL

MAHANADI COALFIELDS LIMITED
TALCHER AREA
AT/PO: DERA, TALCHER, ODISHA
PIN-759103.

Present Status of the Project

The coal production in Talcher Colliery is temporarily suspended since dt.24.02.2018 due to access restriction as per Clause No.158 of CMR Act'2017.

COMPLIANCE OF EC CONDITIONS OF TALCHER COLLIERY

Sl. No	EC Conditions	Compliance Status																					
1.	The SPM level in the ambient air should not exceed 500 µg/m at any observation point within the mine leasehold. The emissions of SO ₂ , NO and CO should be maintained below the levels prescribed by the competent authority.	<p>Coal production in the mine has been suspended since 24.02.2018. However, all parameters viz. SPM, SO₂, NO_x, PM₁₀, PM_{2.5} are being monitored on fortnightly basis. The values of all parameters are found to be within the prescribed limits. The detailed report of Ambient Air Quality is given in as Annexure-I. The average value of the same is given below:-</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Location</th> <th>Parameters</th> <th>SPM (µg/m³)</th> <th>PM₁₀ (µg/m³)</th> <th>PM_{2.5} (µg/m³)</th> <th>SO₂ (µg/m³)</th> <th>NO_x (µg/m³)</th> </tr> </thead> <tbody> <tr> <td>Officer's Club, TA</td> <td style="text-align: center;">Avg.</td> <td style="text-align: center;">181.8</td> <td style="text-align: center;">118.4</td> <td style="text-align: center;">43.08</td> <td style="text-align: center;">16.95</td> <td style="text-align: center;">26.07</td> </tr> <tr> <td>Canteen, Talcher colliery</td> <td style="text-align: center;">Avg.</td> <td style="text-align: center;">187.5</td> <td style="text-align: center;">119.6</td> <td style="text-align: center;">44.41</td> <td style="text-align: center;">16.06</td> <td style="text-align: center;">28.10</td> </tr> </tbody> </table>	Location	Parameters	SPM (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	Officer's Club, TA	Avg.	181.8	118.4	43.08	16.95	26.07	Canteen, Talcher colliery	Avg.	187.5	119.6	44.41	16.06	28.10
Location	Parameters	SPM (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)																	
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Canteen, Talcher colliery	Avg.	187.5	119.6	44.41	16.06	28.10																	
2.	The quality of effluent finally discharged into the main water course shall conform to the standard prescribed under notification No.0511 919(II) dated 12.09.1988.	<p>Coal production in the mine has been suspended since 24.02.2018. However, mine discharge water is being properly treated at Treatment plant and quality of effluent is regularly monitored. The values of all parameters are found to be within the prescribed limits. The detailed report of Effluent Quality is given in as Annexure-II. The average value of the same is given below:-</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Location</th> <th>Parameters</th> <th>pH</th> <th>O&G</th> <th>TSS</th> <th>COD</th> </tr> </thead> <tbody> <tr> <td>Mine Discharge water</td> <td style="text-align: center;">Avg.</td> <td style="text-align: center;">7.44</td> <td style="text-align: center;"><4.0</td> <td style="text-align: center;">32.67</td> <td style="text-align: center;">29.33</td> </tr> </tbody> </table>	Location	Parameters	pH	O&G	TSS	COD	Mine Discharge water	Avg.	7.44	<4.0	32.67	29.33									
Location	Parameters	pH	O&G	TSS	COD																		
Mine Discharge water	Avg.	7.44	<4.0	32.67	29.33																		
3.	The likely subsided area should be brought back to the original land use pattern to the maximum extent possible the reclamation of subsided area and subsequent plantation /agricultural activity should be carried out as per the Environmental management plan. The ultimate area of agricultural land after mining operation should be 694 hectares.	There is no occurrence of subsidence so far, so the original land use pattern is not disturbed due to mining operation.																					

4.	The coal Handling Plant and Fan House should be designed to minimize noise and polymers including rubber and polyurethane should not exceed the norms prescribed by the competent authority.	<p>Coal production has been suspended since 24.02.2018. No mining activities except dewatering takes place. However, noise level is being regularly monitored and it is found within the prescribed standard.</p> <table border="1" data-bbox="729 257 1419 481"> <thead> <tr> <th colspan="5">Noise Level Measurement (dBA)</th> </tr> <tr> <th rowspan="2">Location</th> <th colspan="2">1) GM Office</th> <th colspan="2">2) Canteen, Talcher Colliery</th> </tr> <tr> <th>Day</th> <th>Night</th> <th>Day</th> <th>Night</th> </tr> </thead> <tbody> <tr> <td>Avg.</td> <td>52.93</td> <td>48.69</td> <td>56.45</td> <td>52.35</td> </tr> </tbody> </table> <p>Detailed data of Noise level are provided in Annexure – III</p>	Noise Level Measurement (dBA)					Location	1) GM Office		2) Canteen, Talcher Colliery		Day	Night	Day	Night	Avg.	52.93	48.69	56.45	52.35
Noise Level Measurement (dBA)																					
Location	1) GM Office		2) Canteen, Talcher Colliery																		
	Day	Night	Day	Night																	
Avg.	52.93	48.69	56.45	52.35																	
5.	Regular monitoring of ambient air and water quality and noise levels should be done and recorded data should be furnished to this Department once in three months.	Regular monitoring of air, water and noise level are being carried out and are found within prescribed limit. Recorded data of air, water & noise quality are being furnished in the Annexure-I, II & III respectively.																			
6.	No change methodology of working and the scope of working should be made without the approval of this Ministry.	Coal production itself suspended in the mine since 24.02.2018. At present there is no mining activity except dewatering to fulfill the demand of surrounding villagers. Hence there is no chance of change in methodology of working.																			
7.	The green belt around associated industrial complete residential colony should be provided as per the Environmental Management plan. The afforestation scheme should lay on mixed culture rather than mono-culture	<p>As per EMP, adequate plantation has already been done in the mine leasehold area of the mine. Moreover, considerable amount of plantation is being done every year by departmental as well as through Agencies like OFDC over the free spaces wherever available. During 2021-22, plantation was taken up over 0.6 Ha of land by departmental and 1.54 Ha of land through OFDC. Details of total plantation done since inception of MCL is given below:-</p> <table border="1" data-bbox="713 1422 1387 1556"> <thead> <tr> <th>Year of plantation</th> <th>Total area covered</th> <th>No of Plants</th> <th>Expenditure</th> </tr> </thead> <tbody> <tr> <td>1990-2022</td> <td>47.41 Ha</td> <td>1,18,518 Nos</td> <td>53.28 Lakhs</td> </tr> </tbody> </table> <p>Detailed data of plantation are provided in Annexure – V. During the year 2022-23, it is planned to take up plantation over 6.0 Ha of land while celebrating Van Mahostav'2022.</p>	Year of plantation	Total area covered	No of Plants	Expenditure	1990-2022	47.41 Ha	1,18,518 Nos	53.28 Lakhs											
Year of plantation	Total area covered	No of Plants	Expenditure																		
1990-2022	47.41 Ha	1,18,518 Nos	53.28 Lakhs																		
8.	The project authority should submit to this Ministry a quarterly in respect of environmental control measures.	Environmental control measures report is being sent in the form of EC compliance report on Half-yearly basis.																			
9.	Separate Environmental management cell with suitably qualified personal to carry out various functions relating to Environmental management should	A separate environment management cell with suitably qualified personal is established under the control of Senior technical person who can directly report to General Manager of the area. Environmental monitoring works is being done																			

	be set up under the control of senior technical person who will directly report to chief Executive of the area. A laboratory facility should be set up for collection and analysis of samples.	through CMPDIL having adequate laboratory facilities as required by SPCB.								
10.	The funds (Both capital and revenue) earmarked for environmental control measures should not be diverted for any other purpose.	<p>The funds earmarked for environmental control measures are being utilized and it is not used for any other purpose.</p> <p>Expenditure of Environmental protection in the last 3 years are given below:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Expenditure for Environment Protection</th> </tr> </thead> <tbody> <tr> <td>2019-20</td> <td>28.00 Lakhs</td> </tr> <tr> <td>2020-21</td> <td>31.95 Lakhs</td> </tr> <tr> <td>2021-22</td> <td>53.58 Lakhs</td> </tr> </tbody> </table>	Year	Expenditure for Environment Protection	2019-20	28.00 Lakhs	2020-21	31.95 Lakhs	2021-22	53.58 Lakhs
Year	Expenditure for Environment Protection									
2019-20	28.00 Lakhs									
2020-21	31.95 Lakhs									
2021-22	53.58 Lakhs									
11.	The Ministry may additional conditions if so necessitated either by in scope of the project or on the basis of feedback on impacts.	NA.								

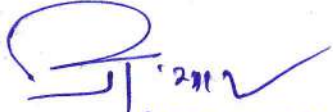

 30.4.2022
PROJECT OFFICER (T&H/D)
TALCHER COLLIERY



FORM -1
MINISTRY OF ENVIRONMENT & FOREST
REGIONAL OFFICE
MONITORING PROFORMA PART – I (DATA SHEET)

1	Project type: River-Valley / Mining / Industry / Thermal / Nuclear / Other (Specify)	Mining
2	Name of the Project	Talcher Colliery (UG)
3	Clearance letter(s) OM No. & dt.	J – 11015/5/91.1A-11 dated. 22.6.1992
4	Location:	Angul, Odisha
	a) District(s), State(s)	
	b) Address of concerned project Chief Engineer (with pin code & Telephone/Telex/Fax Nos.) c) Address of Executive Project Engineer Manager with Pin code and Telephone/Telex/Fax Nos.)	Sri D.Sahoo, Project Officer (T&H), Talcher Colliery, Dist-Angul (Odisha), Ph: 06760-269955 (O)
5	Salient Features: a) Of the Project b) Of the Environment Manager plan	It is an underground project was produced coal with help of SDL's & loco etc. EMP of 0.27 MTY as per EMP
6	Breakup of the Project Area a) Submergence area (forest & non-forest) b) Others	NA NA
7	Breakup of the Project affected population with enumeration of those losing houses/dwelling units only agricultural lands only, both dwelling units and agricultural land and less laborers/artisans. a) SC/ST Advises b) Others	NA NA
8	Financial Details: a) Project costs as originally planned and subsequent revised estimates and the years of price reference. b) Allocation made for environment management plans, with item wise and year wise breakup. c) Benefit cost ratio/interest rate of return and year assessment. d) Whether © includes the cost of environment management as shown in (B) above. e) Actual expenditure incurred on the Project so far f) Actual expenditure incurred on the environment management plans	3869 Lakhs Allocation made for EMP – 31.54 lakhs a) Afforestation cost: 2.8 lakhs; b) Pollution measuring cost: 12.32 lakhs; c) Env. Quality data gen. cost: 16.42 lakhs Yes 47.43 Crores 53.58 Lakhs (2021-22)
9	Forest and requirements a) A status of approval of diversion of forest and non-forestry use. b) A status of clean filling in forest and non-forest lands c) Comments on availability and sustainability compensatory afforestation program in the light of actual fell experience so far.	Obtained Stage-II FC for the entire forest land for UG mining operation. Nil Nil

10	Status of Construction. a) Date of commencement (actual and/or planned) b) Date of completion (actual and/or planned)	1926 1928
11	Reason for the delay if the project is yet to start.	NA
12	Date of site visit a) The dated on which the project was monitored by the Regional Officer on the previous occasions if. b) Date of site for the monitoring report.	02.02.2022 02.02.2022
13	Details of correspondence with Project Authorities for obtaining action plans information and status of compliance to safeguards.	NA


 80.4.2022

PROJECT OFFICER (T&H/D)
TALCHER COLLIERY



FORM-II

PROFORMA FOR PROVIDING INFORMATION ON REHABILITATION

1	No. of Villages Affected	Nil				
2	Families Affected	Nil				
3	Compensation package offered per family <table border="1"><tr><td>State/Centre Norms</td><td>Project package</td></tr><tr><td colspan="2">As per State Government R&R policy</td></tr></table>	State/Centre Norms	Project package	As per State Government R&R policy		Nil
State/Centre Norms	Project package					
As per State Government R&R policy						
4	Budget Estimate for rehabilitation a) Total Outlay b) Amount Paid/used	Nil				
5	Employment Details Total Employment to be provided Employment given So far	Nil				
6	Rehabilitation /Resettlement details a) No. of Families rehabilitated Name of the site Families Rehabilitated b) Families yet to be rehabilitated Name of the site No. of families	Nil				
7	Any other Information	Nil				


30.4.2022
PROJECT OFFICER (T&H/D)
TALCHER COLLIERY



FORM-III

FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT/PLANTATION UNDER FC ACT 1980 AND E (P) ACT 1986

1. a. Name of Organization : MAHANADI COALFIELDS LTD.
b. Env't clearance order No. : J - 11015/5/91.1A-11 dated. 22.6.1992
2. Location, Block/Sub Division/
District./State. : Dera, Talcher, Dist-Angul/Odisha
3. Address for communication : Project Officer, Talcher Colliery,
Po-Dera, Dist - Angul, Odisha, Pin-759103
4. Existing vegetation in the area/region
a. Species (Trees/shrub/Grasses/climbers.) : Sal, Bargad, Kendu, Mango, Pattas & grass etc
b. major prevalent species of each type : ---
5. Land coverage by the project
a. Total Area under the project : 1140 Ha.
b. Area covered for basic infrastructure
(road, building/factory etc.) : 119.8 Ha.
6. Details about natural vegetation
a. Name and number of tree/species felled : Nil
b. Name and number of plants species still
available in the area : Sal, Bargad, Kendu, Mango, Pattas & grass etc
: 1,08,950 Nos
c. By protecting the area will indigenous : Nil
d. Extent of green belt developed. : ---
7. Plantation required to be carried out as per.
a. Condition of Environment
(Clearance in Ha/No.s plants/Ha) : 2500 Nos.plants/Ha
b. A condition of forest © Act
Forest clearance in Ha/No. : 1600 Nos.plants/Ha
c. Voluntarily in Ha. /Nos. : 2500 Nos./Ha.

8. Details about plantation.

Total area available for plantation in 2021-22 in each category.

Green belt	Ext dump	B/F Area	Road sides	Block plantations	Remarks
Nil	Nil	Nil	Nil	3950	Fruit bearing plants and forestry species were planted

0) Plantation details (Category wise & methodology used)

Year of plantation	Species planted	Spacing	Height attained	Total covered area till Mar'22	Propose plantation program in 2022-23
1990-91 to 2021-22	Indigenous species	2m x 2m	5 to 8 meter	47.41 Ha	5000 nos

0) Survival % of plantation (for last five years) : 80 - 85 % after 3 years of plantation.

9. Agency carrying out plantation and maintenance: Departmental
10. Financial Details. (Year wise and item wise)

Sl No	Year	Fund allocated (In Lakh Rs. For 3/5 years.	NO. OF PLANTS	Average cost each surviving plants (in Rs.) plantation scheme valid for 3/5 years)
1.	1990-91	1.64	12000	17.08 for 9600 plants
2.	1991-92	1.77	12500	17.7 for 10000 plants
3.	1992-93	2.0	15000	16.67 for 12000 plants
4.	1993-94	1.6	13000	15.38 for 10400 plants
5.	1994-95	3.75	29000	16.16 for 23200 plants
6.	1995-96	6.55	20500	39.93 for 16400 plants
7.	1996-97	2.46	3100 793	78.99 for 3114 plants
8.	1997-98	Nil	Nil	Nil
9.	1998-99	Nil	Nil	Nil
10.	1999-2000	Nil	Nil	Nil
11.	2000-01	Nil	Nil	Nil
12.	2002-03	Nil	Nil	Nil
13.	2003-04	Nil	Nil	Nil
14.	2003-04	Nil	Nil	Nil
15.	2003-04	Nil	Nil	Nil
16.	2004-05	Nil	Nil	Nil
17.	2005-06	Nil	Nil	Nil
18.	2006-07	Nil	Nil	Nil
19.	2007-08	Nil	Nil	Nil
20.	2008-09	Nil	Nil	Nil
21	2009-10	3.21	3675	109.18 for 2940 plants
22	2010-11	Nil	Nil	Nil
23	2011-12	Nil	Nil	Nil
24	2012-13	Nil	Nil	Nil
25	2013-14	Nil	Nil	Nil
26	2014-15	Nil	Nil	Nil
27	2015-16	Nil	Nil	Nil
28	2016-17	5.90	2000	295
29	2017-18	Nil	Nil	Nil
30	2018-19	Nil	Nil	Nil
31	2019-20	0.40	1000	40
32	2020-21	1.0	2000	50
33	2021-22	23.0	3950	506.33
Total		53.28	1,18,518	-

Plant Distribution:

Sl No	Year	Fund allocated for distribution of plants	Expenditure made	Average cost for each plants
1	2014-15	0.26 lakhs	0.26 lakhs	Rs.26.2/plant
2	2015-16	0.46 lakhs	0.46 lakhs	Rs.23.0/plant
3	2016-17	3.24 lakhs	3.24 lakhs	Rs.32.4/plant
4	2017-18	3.15 Lakhs	3.15 lakhs	Rs.31.5/plant
5	2019-20	3.35 Lakhs	3.35 Lakhs	Rs.33.5/plant
6	2020-21	3.10 Lakhs	3.10 Lakhs	Rs.31.0/plant
7	2021-22	0.75 Lakhs	0.70 Lakhs	Rs.30.0/plant

10. Inspection of plantation by fields
Experts and their comments and
Follow up action.

: Inspected & found satisfactory

11. Remarks /any other information

: -Nil-

ANNEXURE - I

AMBIENT AIR QUALITY REPORT (OCTOBER' 2021 TO MARCH' 2022) TALCHER UNDER GROUND MINE

1) MONITORING STATION: Officer's Club, Talcher Area

DATE	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	Remarks
12.10.2021	151	104	33	14.17	25.72	Dust emission from Local Transportation, Domestic
26.10.2021	177	126	36	13.80	23.32	
11.11.2021	181	113	37	19.17	26.75	
25.11.2021	198	129	42	10.07	22.22	
09.12.2021	260	199	40	25.92	28.55	
23.12.2021	178	98	61	17.31	29.56	
10.01.2022	159	80	30	18.99	31.62	
27.01.2022	123	76	28	22.38	19.88	
09.02.2022	189	133	57	16.57	32.60	
23.02.2022	184	125	50	10.20	22.11	
09.03.2022	186	112	50	15.67	22.25	
23.03.2022	196	126	53	19.23	28.32	
Max(µg/m³)	260	199	61	25.92	32.60	
Min (µg/m³)	123	76	28	10.07	19.88	
Avg. (µg/m³)	181.83	118.41	43.08	16.95	26.07	

2) MONITORING STATION: Near Canteen, Talcher Colliery

DATE	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	Remarks
12.10.2021	196	129	44	16.86	33.76	Dust emission from Local Transportation, Domestic
26.10.2021	221	147	53	10.52	19.30	
11.11.2021	235	144	44	16.13	27.34	
25.11.2021	263	179	49	11.26	23.75	
09.12.2021	125	66	33	21.82	26.28	
23.12.2021	179	100	56	16.18	24.20	
10.01.2022	155	96	34	22.76	36.50	
27.01.2022	145	88	30	21.13	38.33	
09.02.2022	177	128	44	16.02	32.36	
23.02.2022	205	132	54	12.32	25.50	
09.03.2022	174	109	45	14.52	24.36	
23.03.2022	175	118	47	13.28	25.63	
Max(µg/m³)	263	179	56	22.76	38.33	
Min (µg/m³)	125	66	30	10.52	19.30	
Avg. (µg/m³)	187.5	119.67	44.41	16.06	28.10	

ANNEXURE - II

MINE STRATA WATER DISCHARGE REPORT
(OCTOBER' 2021 TO MARCH' 2022)

Location: Sedimentation Tank Discharge Water

DATE	PH	O&G	TSS	COD
12.10.2021	7.64	<4.0	46	32
30.10.2021	7.31	<4.0	40	28
13.11.2021	6.50	<4.0	36	28
30.11.2021	7.67	<4.0	38	52
14.12.2021	7.75	<4.0	20	28
29.12.2021	6.89	<4.0	26	36
14.01.2022	7.48	<4.0	18	20
28.01.2022	7.69	<4.0	28	24
14.02.2022	7.59	<4.0	44	32
26.02.2022	7.74	<4.0	52	40
14.03.2022	7.60	<4.0	18	12
30.03.2022	7.52	<4.0	26	20
Max (mg/L)	7.75	< 4.0	52	52
Min (mg/L)	6.50	< 4.0	18	12
Avg. (mg/L)	7.44	< 4.0	32.67	29.33



ANNEXURE - III

NOISE LEVEL REPORT
(OCTOBER' 2021 TO MARCH' 2022)

Monitoring Station: GM OFFICE & Near Canteen, TC

Date of Monitoring	1) GM Office		2) Near Canteen, Talcher Colliery	
	DAY (dBA)	NIGHT (dBA)	DAY (dBA)	NIGHT (dBA)
12.10.2021	59.1	56.6	57.1	55.2
29.10.2021	58.6	54.2	58.1	52.1
13.11.2021	55.7	54.3	60.7	57.1
29.11.2021	55.2	51.8	60.4	55.6
13.12.2021	53.1	52.6	58.5	56.2
28.12.2021	53.0	46.7	57.2	51.4
08.01.2022	50.0	48.6	55.3	53.7
22.01.2022	50.6	42.8	54.6	47.3
09.02.2022	53.4	47.8	58.2	55.5
23.02.2022	46.6	41.0	50.5	46.2
09.03.2022	50.7	44.8	51.3	50.1
23.03.2022	49.2	43.1	55.6	47.9
Max(dBA)	59.1	56.6	60.7	57.1
Min (dBA)	46.6	41.0	50.5	46.2
Avg. (dBA)	52.93	48.69	56.45	52.35

ANNEXURE - IV

WELL WATER LEVEL MONITORING DATA
(OCTOBER' 2021 TO MARCH' 2022)

Date of sampling	Name of the station	Depth from GL (in Meter)
27.11.2021	Dera village well	3.05
25.01.2022	Dera village well	3.05



ANNEXURE - V
PLANTATION DETAILS

S.No	PLANTATION YEAR	NO. OF PLANTS	No of plants survived Survival rate: 80 %	Average cost each surviving plants in Rs. (3 years scheme)
2	1990-91	12000	9600	17.08
3	1990-91	12500	10000	17.7
4	1992-93	15000	12000	16.67
5	1993-94	13000	10400	15.38
6	1994-95	29000	23200	16.16
7	1995-96	20500	16400	39.93
8	1996-97	3893	3114	78.99
10	1997-98	Nil	Nil	Nil
11	1998-99	Nil	Nil	Nil
12	1999-2000	Nil	Nil	Nil
13	2000-01	Nil	Nil	Nil
14	2002-03	Nil	Nil	Nil
15	2003-04	Nil	Nil	Nil
16	2003-04	Nil	Nil	Nil
17	2003-04	Nil	Nil	Nil
18	2004-05	Nil	Nil	Nil
19	2005-06	Nil	Nil	Nil
20	2006-07	Nil	Nil	Nil
21	2007-08	Nil	Nil	Nil
22	2008-09	Nil	Nil	Nil
23	2009-10	3675	2940	109.18
24	2010-11	Nil	Nil	Nil
25	2011-12	Nil	Nil	Nil
26	2012-13	Nil	Nil	Nil
27	2013-14	Nil	Nil	Nil
28	2014-15	Nil	Nil	Nil
29	2015-16	Nil	Nil	Nil
30	2016-17	2000	1600 (Min)	295
31	2017-18	Nil	Nil	Nil
32	2019-20	1000	900	40
33	2020-21	2000	1600	50
34	2021-22	3950	3650	506.33

PLANT DISTRIBUTION DETAILS

Sl No	Year	No of Plants distributed	Average cost for each plants
1	2014-15	1000 plants	Rs.20.0/plant
2	2015-16	2000 plants	Rs.23.0/plant
3	2016-17	10000 plants	Rs.32.4/Plant
4	2017-18	10000 plants	Rs.31.5/plant
5	2019-20	5000 plants	Rs.33.5/Plant
6	2020-21	5000 plants	Rs.31.0/plant
7	2021-22	2500 Plants	Rs.30.0/plant

