

Minutes of 46th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 9th April, 2021

Dr. G.V. Subrahmanyam -Chairman

Shri K Gowarappan -Member

Dr. Dilip S. Ramteke -Member

Dr. Poonam Kumria -Member

Dr. Bharat Jain -Member

Dr.SubrataMaity -Member

Shri Ashok Agrawal –Member

Shri Anil Kumar Jha -Member

Shri Amardeep Raju-Member Secretary

Day 1: 9th April, 2021

Time: 11.00 AM to 05.30 PM

46.1. Opening remarks

As Dr Satish R Wate could not attend the meeting, therefore Member Secretary requested Dr. G.V. Subrahmanyam to Chair the meeting.

46.2. Confirmation of the minutes of the 45th meeting held on 8th-9th March, 2021 at Indira ParyavaranBhawan, JorBagh Road, New Delhi

46.3 Proposal for consideration

46.3.1. Proposed 70200 TPA of Limestone production including subgrade and OB from Putka Limestone Mine (MLA 97.013 Ha) of M/s JyotiPramanik located at Village Putka, District Bargarh, Orissa - Further consideration for Environmental Clearance Proposal No. IA/OR/MIN/195617/2018 and File No. 23-151/2018-IA.III (V)

Project Proponent alongwith the consultant made the detailed presentation and informed following to the EAC:

Proposal pertains to Putka Limestone Mines over an area of 97.031 hectares situated in village Putka, Thana – Jharbandh, in the district of Bargarh of Odisha State of Sri Jyoti Pramanik.

Latitude and Longitude of the project:

Station	Latitude	Longitude
A-A/1	21 ⁰ 11' 16.3"	82 ⁰ 57' 37.8"
A/1-A/2	21 ⁰ 11' 05.4"	82 ⁰ 57' 37.8"
A/2-B	21 ⁰ 10' 51.8"	82 ⁰ 57' 38.1"
B-B/1	21 ⁰ 10' 40.8"	82 ⁰ 57' 38.3"
B/1-B/2	21 ⁰ 10' 40.6"	82 ⁰ 57' 27.6"
B/2-B/3	21 ⁰ 10' 40.5"	82 ⁰ 57' 17.0"
B/3-C	21 ⁰ 10' 40.4"	82 ⁰ 57' 06.4"
C-C/1	21 ⁰ 10' 40.4"	82 ⁰ 56' 58.9"
C/1-D	21 ⁰ 10' 50.5"	82 ⁰ 56' 58.8"
D-E	21 ⁰ 11' 02.4"	82 ⁰ 56' 58.7"
E-F	21 ⁰ 11' 02.4"	82 ⁰ 57' 13.6"
F-G	21 ⁰ 11' 09.1"	82 ⁰ 57' 13.5"
G-H	21 ⁰ 11' 09.3"	82 ⁰ 57' 26.6"
H-A	21 ⁰ 11' 16.1"	82 ⁰ 57' 26.5"

Putka mining lease area 97.031 hectares in village Putka, district Baragarh was executed on 13.09.2007 for mining of limestone w.e.f 25.09.1994 for a period of 20 years in favour of the same Lessee, Shri Jyoti Pramanik, Sambalpur. The tenure of the lease period expired on 24.09.2014 and Lessee filed the application for renewal of M.L area. Later on, this M.L area was determinate by the State Govt. vide Steel & Mines Department letter No.9169 dated 15.09.2015 whereas this mine / M.L area is set aside by the Ministry of Mines, Govt. of India, Shastri Bhawan, New Delhi as per the final order No.105/2016 to 160/2016 dated 11.05.2016 passed by the Central Government in respect of revision applications No. 22/18/2013 RC-I & 55 others filed against the orders of the State Govt. of Odisha. In view of section 8A of MM (D & R) Act, 2015 (as amended), lease period is deemed to have been extended up to 24.09.2024.

Mining operation was suspended from 11.11.2009 by Deputy Director of mines due to want of statutory clearance like approved mining plan and EC. There was no mining plan/scheme up to 2004-05. Mining Plan for a period of 5 yrs i.e. from 2005-06 to 2009-10 was approved by IBM, Bhubnaeswar. Vide letter no. BBS/BR6/LST/MP-264 dated 16.11.2005 for a production of 70,200 TPA.

As per the EIA Notification S.O. 1533, dated 14th September 2006 and subsequent amendments, this project falls under Category A as interstate boundary of Odisha and Chhattisgarh is located in the NW boundary of lease area confirming to General Condition and will be considered by the EAC, New Delhi level.

The online proposal was submitted on 16th May 2017 for ToR/ EC as per provision of notification vide S.o. 804 (E) dated 14.03.2017. The ToR under the case of violation has been approved vide File No: 23-151/2018-IA.III(V) dated 24th November 2020 under the case of violation and the present EIA/ EMP report has been prepared based on the approved ToR.

The public consultation for Putka Lime stone mines for production of 70,200 TPA limestone with opencast semi-mechanised mining method over an area of 97.031 Ha was conducted at Putka village in Bargarh district, Odisha on 04.11.2016 at 11.30 AM in accordance with Ministry of Environment & forest Climatic Change, Govt. of India. Vide EIA notification No SO-1533(E) dated 14.09.2016. The hearing was chaired by Additional District Magistrate, Bargarh & Regional Officer State pollution control Board, Sambalpur.

EC proposal was submitted to the Ministry on 30.06.2021 and was considered by the EAC in the 43rd meeting held during 08th - 09th February, 2021.

Technical details:

1. If a Joint venture, the names & addresses of the JV partners including their share: NA
2. Whether the project is in the Critically Polluted Area(CPA): No
3. Cost of the project: 120 Lakhs
4. Employment generated/to be generated: 60 Nos
5. Benefits of the project: Drinking water supply to the local people, Road development and Maintenance, Solar street Lighting
6. Whether new or expansion project. If expansion: 1st EC
7. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.: No
8. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF: No.
9. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC): TOR was issued vide letter No. 23-151/2018-IA.III(V) dated 24th Nov, 2020
10. J-11015/167/2014-IA.II (M) dated 23rd Nov. 2015 (Violation ToR)

11. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent): Not applicable
12. If the project was considered in EAC, Pl.give dates of the meeting(s):. ToR approved in 36th meeting of EAC meeting 21st to 22nd September 2020.
13. Presentation for EC: 43rd meeting of EAC (violation) – 8th February 2021
14. Type of Mine: (Opencast/Underground/mixed): Opencast
15. Capacity of the mine appliedfor: Excavation of 70,200 TPAofRoM
16. M.L. Area: As per block allotment: 97.031 Ha, As per approved mine plan: 97.031 Ha
17. Date of approval of mine plan, mine closure plan, status &date: Mining Plan has been prepared for a period 2016-17 to 2021 and has been duly approved vide letter no MPM/OTFM/06- ORI/BHU/2016-17 dated 02.09.2016 with a maximum production 70,200 TPA.
18. Date of Board's approval: NA
19. Date of Ground water clearance and surface water approval: NOC for ground water abstraction has been obtained from CGWA vide NOC no: CGWA/NOC/MIN/ORIG/2021/11187 valid from 01.03.2021 to 28.02.2023
20. Existing Ground water level in(M):3 m
21. Date of mine closureapproval: Letter no: MPM/OTFM/06-ORI/BHU/2016-17 Dated 02.09.2016
22. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details.Murmuri Nala- Boundary of the Lease. Confluence point of Chirchira Nala and Murmura nala 1.7 km from the lease area
23. Details of mine lease:-

1. Date of entering into original lease	1. Date of 1 st lease renewal: 13.09.2007	1. Date of 2 nd lease renewal	1. Date of 3 rd lease
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deed. 25.09.1974 2. Date of expiry of original leasedeed: 25.09.1994	2. Whether renewal or deemedrenewal: renewal 3. Date of expiry of 1 st leaserenewal/deemedrenewal: 24.09.2024	2. Whether renewal or deemedrenewal 3. Date of expiry of 2 nd lease renewal/ Deemedrenewal	renewal 2..... 3..... [ALSO FOR SUBSEQUENT RENEWALS.....]

24. TECHNICAL DETAILS

Geological Reserve:

- (i) Total geologicalreserve: **1.495MT**
- (ii) Mineablereserve: **1.44MT**
- (iii) Extractablereserve: **1.44MT**
- (iv) Per cent (%) ofextraction: 95%
- (v) Range of ground water level: 3-6m
- (vi) Total estimated waterrequirement: 25 KLD
- (vii) Details of intersecting ground waterlevel: The ultimate depth of mining will be 10m below ground level and it will intersect the ground water table (below 3m)

Details of Deposits:

- (viii) Depth of overbody: 0.2 – 0.3 m
- (ix) Grade of ore: 35% CaO
- (x) Strippingratio: 1: 0.15

Method of mining:

On account of exposure of limestone and its limited depth opencast semi mechanized (OTFM) mining method will be adopted. The various mining operations such as drilling, blasting, excavation, loading, sizing and transportation will be done by jack hammer drill as well as 100mm dia DTH drill on single shift basis. Height and width of the benches will be kept at 3m and 6m respectively. The individual bench faces will be kept nearly vertical (75° - 85°) whereas the overall quarry slope angle (the angle between the line joining the toe of bottom bench and the crest of the top bench with the horizontal) is proposed to be kept at less than 27° with the horizontal.

Power gel explosive in conjunction with safety fuse & ordinary / electric detonators will be used for blasting to loosen hard rock mass for ease in excavation. Low capacity excavator and tippers will be used for excavation & loading and transportation. Jack hammers will be used for short hole drilling & blasting. Explosive consumption 0.5 kg/hole will be consumed.

Life of mine: 13 Years

Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits. Ambient air quality Monitoring carried out during March to May 2016 & October to December 2020 (Post Monsoon). The ambient air quality results are within the prescribed limit.

Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.: NA

Details of O.B.

- (i) External OB dumps: 6
- (ii) No of OB dumps: 6
- (iii) Area of each dump: 0.510
- (iv) Height of each dump: 4 m
- (v) Quantity (in MCm) of OB in each dump: 0.0944cu.m
- (vi) Year of backfilling: 5
- (vii) No. of OB dumps reclaimed: yes (Plantation will be carried out)
- (viii) If garland drains and settlement facility for run off created: Yes (garland drain and settling tank proposed for OB dump and sub grade dump)
- (ix) Whether runoff water being utilized: Yes (Stored in the RWH pond and used for dust suppression and plantation purpose)

Details of Internal Dumps

- (i) Number of internal dumps: No
- (ii) Area of each dump: No
- (iii) Height of each dump:
- (iv) Quantity of wastes filled(MCm)

Utilization potential ofwastes

- (i) Within themines: Backfilling
- (ii) Outsidemines: Nil
- (iii) Efforts made byproponent: Waste utilized for backfilling of mining void

Details of final MineVoids

- (i) Area:8.349 Ha
- (ii) Depth: 6m

Details ofQuarry:

- (i) Total quarry area:8.349 Ha
- (ii) Backfilled quarry area of 8.349ha shall be reclaimed withplantation

- (iii) A void of --- ha at a depth of ---m which is proposed to be converted into a water body
 (iv) Green belt created inha.: 5 Ha

Details of Landusage

LANDUSE DETAILS

S. No.	Land Use	Within ML Area (Ha)	Outside ML Area (Ha)	Total
1.	Agriculture land	61.747	0	61.747
2.	Forest land	0.0	0	0.0
3.	Wasteland	34.034	0	34.034
4.	Grazing Land	0.0	0	0.0
5.	Surface water bodies	0.0	0	0.0
6.	Settlements	0.315	0	0.315
7.	Other (Road)	0.935	0	0.935
	TOTAL	97.031	0	97.031

LANDUSE DETAILS (Pre Mining)

SL No.	Type of land use	As at present (ha)
1	Area under excavation	2.250
2	Storage for Topsoil	-----
3	Overburden dump	0.510
4	Mineral storage	1.649
5	Infrastructure (workshop, administrative building etc.	-----
6	Road	0.420
7	Railways	-----
8	Green belt	-----
9	Tailing pond	-----
10	Effluent Treatment Plant	-----
11	Mineral Separation plant	-----
12	Township area	-----
13	Others	0.010
	Sub Total	4.839
14	Undisturbed	92.192
	Total	97.031

LANDUSE DETAILS (Post Mining)

Sl. No	Description	Land Use (Area in Ha)				
		Plantation	Water Body	Public Use	Untouched	Total
1	Area under excavation	8.349	--	--	---	8.349
2	Storage for Topsoil	0.578	--	--	---	0.578
3	Overburden dump	2.01	--	--	---	2.01
4	Mineral storage	3.47	--	--	---	3.47
5	Infrastructure (office, rest shelter, staff quarters etc.)			0.05	---	0.05
6	Road	--	--	0.82	--	0.82
7	Mineral Separation Plant	0.53	--	--	--	0.53
8	Others (magazine)	0.01	--	--	--	0.01
9	Green belt	5	--	--	--	5
10	Untouched	--	--	--	76.214	76.214
Total		19.947		0.87		97.031

Details of Forest issues

- (i) Total forest area involved (in ha) for mining lease.: Nil
- (ii) Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details: No
- (iii) Extent of forest land in the project (including safety zone and all types of forest land) (in ha): No
- (iv) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicate the status.: NA
- (v) Whether schedule -I species, if yes conservation plan is approved by CWLW? No

Costs of the project: Total capital Cost: 1.2 Crore

Cost of Production: Rs. 200/- per Ton production

Sale Price: Rs. 1000/- per Ton production

CSR cost: 10 Lakhs

Cost for implementing EMP: 12.0 Lakhs

Details of villages/habitation in mine lease area

Inside the lease: 0.315 Ha (Habitation)

Surrender by lease: Nil

Extent of cropland acquired/ being acquired in ha.: 61.747 Ha

Details of transportation of mineral: Quantity being transported by Road/Rail/conveyer/ropeway: 280 Tons/ day. Proposed change in transportation means if any, give details: Transportation of material from the lease area to the user agency through trucks

Details of reclamation: Afforestation shall be done covering an area of: 19.407 ha at the end of mining. This will include:

- (i) Reclaimed external OB dump (in ha):6.058 (OB dump+ Top soil+ mineral storage)
- (ii) Reclamation of mined out quarry by plantation: 8.349 Ha
- (iii) internal dump (inha),
- (iv) Green belt (inha): 5 Ha
- (v) Density of tree plantation (in no of plants): 2500 per Ha
- (vi) Void (in ha) at a depth of (in m)which is proposed to be converted into water body: Nil
- (vii) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc): 1.5 ha
- (viii) Agriculture and horticulture: 61.747 Ha
- (ix) Fisheries: No
- (x) ECO Tourist/recreation spot: No

LEGAL ISSUES

Any court case pending. If so, please provide details: Environment (Protection) Act: Case no. 2 (c) CC No. 02 of 2015 dated 17.08.2017

Any violation cases pending. If so, please provide a list with details as an annexure: Violation is pending vide Case no. 2 (c) CC No. 02 of 2015 in SJDM, Padampur

Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

Year	Approved quantity as per E.C in MT/Annum	Actual Quality Produced(in MT)
1979-80		5414.850

1980-81		2860.714
1981-82		Nil
1982-83		Nil
1983-84		4373.545
1984-85		Nil
1985-86		Nil
1986-87	Not Maintained	4410.950
1987-88	Not Maintained	7575.500
1988-89	Not Maintained	1200.000
1989-90	Not Maintained	46.500
1990-91	Not Maintained	479.890
1991-92	Not Maintained	16.000
1992-93	Not Maintained	150.000
1993-94	Not Maintained	150.000
1994-95	Not Maintained	50.000
1995-96	Not Maintained	410.000
1996-97	Not Maintained	68.600
1997-98	Not Maintained	Nil
1998-99	Not Maintained	Nil
1999- 2000	Not Maintained	5.500
2000-01	Not Maintained	4.480
2001-02	Not Maintained	0.000
2002-03	Not Maintained	Nil
2003-04	Not Maintained	Nil
2004-05	Not Maintained	Nil
2005-06	Not Maintained	Nil
2006-07	Not Maintained	3316.400

2007-08	Not Maintained	502.860
2008-09	Not Maintained	Nil
	TOTAL	31026.597

PUBLIC HEARING ISSUES: Date and Place of public hearing: 4.11.2016. The designation of officer presided our thePH: Additional District Magistrate, Baragarh.

Consultant:

Name of the EIA consultant who prepared the EIA/EMP report: **M/s KalyaniLaboratories Private Limited, NABET certificate No: NABET/EIA/1922/RA0154 valid till 28th April 2022.**

Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009.: Yes

Name of specialists/consultants involved in making EIA report and in collecting data.: **M/s Kalyani Laboratories Private Limited,**

Observation and recommendation of the EAC in the 43rd meeting held on 8-9 February, 2021:

After detailed presentation by the PP, EAC observed that proposed proposal is for 70200 TPA of Limestone production including subgrade and OB from Putka Limestone Mine (MLA 97.013 Ha).. In view of section 8A of MM (D & R) Act, 2015 (as amended), lease period is deemed extent up to 24.09.2024. Mining Plan has been prepared for a period 2016-17 to 2021 and has been duly approved vide letter no MPM/OTFM/06-ORI/BHU/2016- 17 dated 02.09.2016 with a maximum production 70,200 TPA.

PP has started the work onsite without prior EC under EIA notification, 2006. There is no National Park or wild life Sanctuary within 10km from the project site. EAC deliberated on the information submitted by the Project Proponent (Form 2, EIA/EMP report, PH issues, Annexures etc) deferred the project for want of following information:

- 1) Revised damage assessment cost as suggested during the meeting shall be assessed. Remediation, Natural and Community resource Augmentation plan is related to the EMP activities and confined to project site, therefore activities under all the three plan shall be revised for outside he project area.
- 2) Remediation, Natural and Community resource augmentation plan shall be prepared for three with monitorible capital investments
- 3) Rework on the table for monitoring stations w.r.t to predominant wind direction and accordingly incremental load shall be assessed using modelling tools.
- 4) Safety measures for water bodies in the vicinity of the mine lease area with details of safety zone for near habitation, agriculture and water bodies.
- 5) Rework on the dumping plan with details of garland drain and toe wall etc.

- 6) Details of peripheral plantation shall be submitted.11
- 7) Monitorible Physical targets w.r.t the issues raised during Public Hearing shall be identified and incorporated under EMP.
- 8) Issues raised during the Public Hearing shall be tabulated alongwith the compliance submitted in response.
- 9) Details for reclamation of external dumps.
- 10) Details of transportation of mineral.

Project Proponent submitted the reply to ADS by the EAC in the 43rd meeting on 12.03.2021. Accordingly, proposal was taken to the EAC for deliberation in the present meeting.

Observation and recommendation of the EAC in the 46th meeting (present meeting) held on 9th April, 2021:

Project Proponent made the detailed presentation on the additional information sought by the EAC in the earlier meeting. After detailed presentation, EAC observed that PP has submitted the information on Revised damage assessment cost, Safety measures for water bodies in the vicinity of the mine lease area, Details for reclamation of external dumps and details of transportation of mineral etc. EAC deliberated on the information and suggested the PP to summarize the cost CRAP taking into an account of the 3% of the profit benefit accrued during the violation period. EAC advised PP to submit the information prior to the finalization of Minutes of the meeting, through email to all the EAC members. EAC further noted that a case has been initiated at SJDM, Padampur vide CC no: 02 of 2015 on dated 26.09.2015.

Accordingly, PP submitted the information. The EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Annexures etc), **recommended** the proposal for grant of Environmental Clearance to the proposed production of lime stone (70200 TPA) from lease area measuring 97.013 Hectare located at located at Village Putka, District Bargarh, Orissa, subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of **Rs 10.97** lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provision are mention below:

Remediation plan with budgetary provision

Proposed activity under Remediation Plan		Cost Allocation (Rs.)			Total
		Yr1	Yr2	Yr3	
Air Environment	Medical check up camp for the people in the nearby villages (Putka) 50 persons per year for pulmonary problem	50,000/-	50,000/-	50,000/-	1,50,000.00

	symptoms @Rs 1000/- per person				
	Plantation of dust catching species (<i>Cassia fistula</i> , <i>Bombaxceiba</i> , <i>Azadirchtaindica</i> , <i>Nyctanthesarbor-tristis</i> , <i>Psidiumguajava</i> , <i>tectonagrandis</i>) along both side of the village road passing through the lease area (1 Km Stretch -500 saplings) @Rs. 200/- per sapling	1,00,000/-			1,00,00.00
	Thick bamboo plantation between the agricultural field and mining pit to reduce dust fall on the agricultural field (600m plantation)	60,000/-			60,000/-
SubTotal					Rs 3,10,000
Water Environment	Reclamation of village pond in Putka village for rain water harvesting		1,00,000/-		1,00,000/-
	Supply of solar water pump to the villagers for providing irrigation water to the agricultural fields @Rs.10,000/- per pump 5 nos of pumps		50,000/-		50,000/-
	Water quality analysis in Putka village (once per season) @ Rs.5,000/- per season	20,000	20,000	20,000	60,000
	Provision of RO water in Putka Primary school (100 students @2 liters per student) of Putka village with 200 liter capacity @ Rs. 30,000/- (3 nos)	90,000			90,000.00
Sib total					3,00,000/-
Land Environment	Supply of Bio fertiliser to 30 persons having agricultural field near to the lease area @Rs.6000/- per Ha for 5 Ha of existing cultivable land	30,000	30,000	30,000	90,000.00
Sub total					Rs 90,000/-
Total					7,00,000.00

Natural Resource Augmentation plan with budgetary provision

Proposed activity under Natural Resource Augmentation Plan		Cost Allocation (Rs.)			Total
		Yr1	Yr2	Yr3	
Air environment	Plantation of fruit bearing trees in the village waste land (200 nos of trees @200/-	40,000.00	10,000	--	50,000.00

	per plant)				
Water environment	Roof top rain water proposal in the school of Putka village with recharge pit	50,000.00	--	--	50,000.00
Total					1,00,000.00

Community Resource Augmentation plan with budgetary provision

Proposed activity under Community Resource Augmentation Plan	Year wise implementation			Total Cost Allocation
	1 st year	2 nd year	3 rd Year	
Supporting farmers for agriculture (Fertilizer and high quality Seed) @Rs500/- per farmers x 80 Farmers depends only on agriculture in Putka village consulting with local sarpanch	40,000.00	40,000.00	40,000.00	1,20,000.00
Safe drinking water supply by Solar water pumping system in Putka Village	97,312.00	--	--	97,312.00
Solar street light in Putka village (20 nos @ 4,000/-) along the street	80,000.00	--	--	80,000.00
Total				2,97,312.00

Summary

Sl. No	Activities	Total Cost (Rs.)
01	Remediation plan	7,00,000.00
02	Natural Resource Augmentation Plan	1,00,000.00
03	Community resource Augmentation Plan	2,97,312.00
Sub Total		10,97,312.00

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs 10.97 lakhs**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs **Rs 10.97 lakhs/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.

- iii. Remediation plan alongwith the Natural and Community Resource Augmentation Plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- vi. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- vii. Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.
- viii. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- ix. The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.
- x. The life of the mine is 13 years and hence the period of EC will be restricted to 13 years irrespective of the lease life.
- xi. The mining operations shall be away by 500 meters from habitations and the agricultural fields.
- xii. A thick barrier of GB formed out of native species shall be maintained between the agrifields and the mine operations to avert any dust affecting the crops and habitations.

- xiii. In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP:

Sl. No.	Activities	Location	Time Frame					Allocated Budget (Rs.)
			1 st Yr	2 nd Yr	3 rd Yr	4 th Yr	5 th Yr	
Peripheral Development								
1.	Development and maintenance of village road connecting ML area and SH	Lease area to Putka Village	2,00,000.00	2,00,000.00	2,00,000.00			6,00,000.00
2.	Support to the Primary school for Furniture, Sports	Putka	50,000.00	50,000.00	50,000.00	50,000.00	50,000.00	2,50,000.00
3.	Employment opportunity for the local people	Nearby Villages	**	**	**	**	**	As per the Rule
4.	Health camp twice in a year	Putka&Nuapara Village	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00	1,00,000.00	5,00,000.00
5.	Construction of Rain water Harvesting Pond	Putka Village (1nos)		3,00,000.00				3,00,000.00
6.	Drinking water facility through solar pumping	Putka Village			5,00,000.00	2,50,000.00	2,50,000.00	10,00,000.00
Total								26,50,000.00

46.3.2. Project for production of Ferro Alloys (37,800 TPA) at Village Bhutberia, P.O. Mihijam, District Jamtara (Jharkhand) by M/s Anjaney Ferro Alloys Ltd. - Further consideration for Environmental Clearance Proposal no. IA/JH/IND/109793/1991 and File No. J-11011/128/2017-IAII (I)

Project Proponent along with the consultant VARDAN ENVIRONET (NABET/EIA/1922/RA 0166) Plot No. 82A, Sector-5, IMT Manesar, Gurgaon, Haryana-122052 made the detailed presentation on the project before the EAC

Details of the project as per the submission of Project Proponent:

The project of M/s. Anjaney Ferro Alloys Limited, located at Village – Bhutberia, P.O. Mihijam, District – Jamtara of Jharkhand was received in the Ministry on 29.12.2017 for obtaining Terms of Reference (ToR) as per EIA Notification, 2006 and S.O. 804(E). The project was appraised by the Expert Appraisal Committee (Violation) during its 6th meeting held on 19/04/2018. Accordingly, the Ministry of Environment, Forest & Climate Change (MoEF&CC) had prescribed ToR to the project on 31.05.2018 vide Lr.No. J-11011/128/2017-IA.II (I).

Based on the ToRs prescribed to the project, an application for environmental clearance was submitted to the Ministry online on 02.07.2019 vide Online Application No. IA/JH/IND/109793/1991 along with EIA/EMP, Public Hearing details, Form-2 and other relevant documents.

The existing units were installed based on the NoC's from Bihar Pollution Control Board during 1991 and 1999 and from Jharkhand State Pollution Control Board (JSPCB) during 2005. The company expanded its production in 2007 by installation of two SAF units after obtaining NOC from JSPCB. These units were in operation till 31.12.2012 after obtaining CTO from JSPCB. However, JSPCB vide letter No. B-3651 dated 31/05/2013 directed the project proponent to stop the operation of 62 TPD Ferro alloys through SAF# 3 & 4, installed during 2007 and accorded CTO only for 46 TPD Ferro alloy production. The facilities for production of 16100 TPA Ferro-alloys were installed prior to 2006, as per the following details:

S.No.	Year	Units	Configuration	Capacity (TPD)	Cost (lakhs)
1	1991	SAF #1	3.5 MVA	7	300
2	1999	EAF#1	1.5 MVA	8	100
3	2005	SAF#2	8.25 MVA	31	800
Total Production 46 TPD (16100 TPA)					

Units and Capacities Installed prior to 2006 (Non-violating)	Units and Capacities Installed in 2007 (Under Violation)	Total

Unit	Production in TPA	Unit	Production in TPA	Unit	Production in TPA
SAF #1 3.5 MVA (7 TPD)	2,450	SAF #3 8.25 MVA (31 TPD)	10,850	1x3.5 MVA SAF #1 (7 TPD)	2,450
EAF #1 1.5 MVA (8 TPD)	2,800	SAF #4 8.25 MVA (31 TPD)	10,850	1x1.5 MVA EAF #1 8 TPD	2,800
SAF #2 8.25 MVA (31 TPD)	10,850			3x8.25 MVA SAF #2,3 & 4 (3x31 TPD)	32,550
16,100 TPA		21,700 TPA		37,800 TPA	

Location (plot No./ Village/ Tehsil/ District)

The proposed expansion project of M/s. Anjaney Ferro Alloys Limited is located at Plot No. 195, Khata No. 24/1, Village – Bhutberia, P.O. Mihijam, District – Jamtara of Jharkhand. Present proposal is for Ferro alloys production 37,800 TPA by M/s. Anjaney Ferro Alloys Limited is located at Plot No. 195, Khata No. 24/1, Village – Bhutberia, P.O. Mihijam, District – Jamtara of Jharkhand.

1. Salient features of the project

- ***Land use pattern/ Total plot area/ built up area.***

The total plant area is 2.61 ha. About 0.88 ha. of land i.e. ~33% of the total area is developed as Greenbelt.

S.No.	Land Use	Area (Ha.)
1	Plant Furnace and Raw Material	0.43
2	Internal Road	0.3
3	Raw material storage shed/yard	0.8
4	Office and administrative building	0.2
5	Green belt	0.88
Total		2.61

- ***Total water requirement and its source***

The total requirement of water for process will be 50 KLD after expansion. Water for the existing and expansion will be drawn from Bore-wells. Permission from the CGWA has been obtained vide letter No. 21-4/24O/JH/IND/2017-867 dated 07/05/2018.

Water Usage For	Existing (KLD)	Additional for violating Units (KLD)	Total (KLD)
Process	17	28	45
Domestic	3	2	5
Total	20	30	50

- ***Waste water generation, treatment and disposal***

The plant is designed for zero liquid discharges (ZLD). The water will be re-circulated after process use after required cooling and treatment. In cases where contamination takes place while cooling, the same is treated appropriately in a treatment plant installed inside the plant. After treatment the supernatant water is sent back to the plant circuit. No plant effluent will be discharged in to public water ways or drains.

Sl. No.	Unit	Quantity (m³/day)	Treatment Facility	Usages
1.	Softening Plant back wash	2	ETP (Neutralization Pit)	Slag cooling & Dust suppression
2.	Cooling Tower blow down	4	--	
3.	Sewage	1	Septic Tank with Soak Pit	Gardening
Total discharge		7 KLD		

- ***Municipal Solid waste generated disposal facility***

Sewage generated from the toilets of the plants is being treated in Septic Tank with Soak Pit.

Industrial Solid waste generated from the project which mainly comprise of slag and dust. Fe-Mn Slag is reused in the Si-Mn production. Si-Mn is being utilized in road /

land development. A separate yard within the premises would be earmarked to store the same temporarily.

Hazardous waste is generated in the form of 'Used Oil'. 'Used Oil' is collected in dedicated drums and stored on impervious concrete floor. Approx. 15 KL "Used Oil" will be generated in a year. This will be sold to the registered recyclers.

Type of Waste	Quantity in Tons/year			Mode of Disposal
	Existing	Additional For Installed Units	Total	
Slag	12,250	16,450	28,700	Presently used for road construction and filling of low lying area However, we have received request from cement plants and in future after granulation it will be given to cement plants
Bag Filter Dust	350	477	827	Recycled in the process

- ***Power requirement and source***

Power requirement for the operating units (SAF# 1 & 2 and EAF #1) is 13 MVA. Total power requirement for operation of all units after grant of Environmental Clearance shall be 28 MVA. Substation with adequate capacity to supply necessary power for the project already exists. Power is being supplied by Damodar Valley Corporation. The company has also installed 1 x 63 KVA & 2 x 150 KVA DG Sets to meet emergency power requirements of the plant

- ***Rain water Harvesting***

The project proponent has proposed 1 Rainwater Harvesting Structure inside the plant premises. The total groundwater utilized by the project is 17500 m³/year whereas at the same time the total runoff available for groundwater recharge is 3743.70 m³/year which is almost 21 % of the abstraction per year. M/s Anjaney Ferro Alloys Limited falls under the "Safe Zone" and as per CGWA regulations has to adopt the artificial recharge scheme.

- ***Investment/Cost of the project***

Cost of the existing plant is Rs. 1226.30 lakhs. The cost for the Units under violation is Rs. 2338.52 Lakhs. Total Cost of the plant is 3564.82 lakhs.

- ***Benefits of the project***

The present project is likely to accelerate industrialization through “Bubble Effects” in the study area. It is important to note that the small-scale units are usually labour-intensive and high-priority industries from social point of view. This is expected to play a major role in the future economic and social development of this area. Project will encourage industrial growth of this sector specifically in steel industry in the region.

- ***Employment potential***

Manpower for the existing operation is 150. The manpower for operation of Units under violation after expansion shall be is 250, comprising administrative, technical, non-technical, skilled and unskilled workforce. In addition to this there shall be indirect requirement of manpower in transportation sector for transportation of raw materials and finished products.

2. Project/ activity covered under item of Schedule to the EIA Notification, 2006

The proposed project is listed under activity 3(a), Metallurgical Industries (Ferrous & non-Ferrous) under the Schedule of EIA Notification, 2006 and categorized as Category- ‘A’. The project will be appraised by the Expert Appraisal Committee (Violation) as the Units (SAF#3 & 4) were installed without prior EC and falls under Violation.

3. National Park/ Wild Life Sanctuary in 10 km radius area

No National Park/Wildlife Sanctuary are within 10 km radius from project site.

4. Eco-Sensitive Zone in 10 km radius area

There are no Eco-Sensitive Zone within 10 km radius area from the project site.

5. Details of Forest land involved, if any

No Forest land is involved and the project is free from forest area.

6. ToR Details

MoEFCC issued the ToR vide F.No. J-11011/128/2017-IA.II (I) dated 31/05/2018 for the expansion from 16,100 TPA to 37,800 TPA Ferro Alloy production.

7. Details of Public Hearing and main issues raised/response of the PP.

The public hearing was conducted on 29.01.2019 at Shakuntala Reception Hall, Mihijam, district Jamtara at 11:00 am by Jharkhand State Pollution Control Board. The Public Hearing venue was 1.5 km away from the project site. The public hearing was chaired by Mr. Nand Kishore Lal, Additional Controller, Jamtara. The issues raised during public hearing and response of the project proponent with action plan are pollution, potable

drinking water, employment etc. An amount of Rs 50 Lakhs has been earmarked for CER based on public hearing issues.

S.No	Name & Village of Participant	Issues Raised	Action Plan
			Commitment
1	Shri. Naresh Kashyap, Mihijam	<ul style="list-style-type: none"> • Employment for the local people • How many will get employment • Local should get employment • Women should also get employment • Plant is in Jharkhand then employment is to be provided to Jharkhand locals not Bengal's. • Development work done in the district and how much locals will be employed. • Medical Facilities for Labours 	<ul style="list-style-type: none"> • Expansion project will generate around 150 direct employments and 250 indirect employments. • The local people and youth will be given the highest priority in employment based on their qualification and skills. • Employment will also be provided to women. • Employment will be given irrespective of their caste and creed. • Medical check-up of the employees will be carried out periodically.
	Subhash Chandra Mishra, Mihijam		
	Wahid Anshari Dhankipara, Mihijam		
	Shri Rajiv Sharma, Kangaae, Mihijam		
	Shri. Vijay Bhandari Representative of 15 No. Ward, Mihijam Ward Parisad.		
	Shri. Shantan Mishra, Vice-president of Sutri Mihijam Jamtara.		
	Shri Surendra Saw		
Shri Sunil Bauri, Kangoe Mihijam			
2	Shri. Gorachandra Ghosh, Hulud Kanale.	<ul style="list-style-type: none"> • Drainage system and water supply to be improved. • Arrangement of drinking water during summer 	<ul style="list-style-type: none"> • Two Tankers will be provided, weekly to the nearby villages during summer season. • Construction of Hand pumps in the nearby villages along with filtration. • Improvement in Drainage system of the nearby villages.
	Shri Subhas Mishra, Mihijam		
3	Shri. Gutam Majhi, Kanagae, Mihijam	<ul style="list-style-type: none"> • Electricity arrangements in the village. 	<ul style="list-style-type: none"> • Electrification of nearby villages.
4	Shri Partho Kaur, Mihijam	<ul style="list-style-type: none"> • 'Kaccha' roads of Ambedkar Nagar to be repaired 	<ul style="list-style-type: none"> • Approach roads will be constructed for the nearby villages
5	Shri. Shankar Ray, Mihijam, Hasipahadi	<ul style="list-style-type: none"> • Measures will be taken to control pollution. 	<ul style="list-style-type: none"> • Bag filters with dust collector system will be provided to reduce the air pollution.

S.No	Name & Village of Participant	Issues Raised	Action Plan
			Commitment
			<ul style="list-style-type: none"> Water sprinkling will be done to ensure control of fugitive emissions within the plant premises
6	Mr. Farookh Ahmed, Hill Road	<ul style="list-style-type: none"> Ambulance and Medical facilities for workers 	<ul style="list-style-type: none"> Ambulance service shall be provided in nearby village. Medical check-up of the employees will be carried out periodically
7	Shri. Kamal Gupta, Chairman of Town, Estate Mihijam	<ul style="list-style-type: none"> Should have empty land of Rajhans steel 	<ul style="list-style-type: none"> This is related to government.
8	Shri Dulal Ray HasipahadiMihijam.	<ul style="list-style-type: none"> The closure plant in the Kanggoi Industrial Area can be turned on or given to Anjani Ferro Alloys limited 	<ul style="list-style-type: none"> This is related to government.

8. If any court case pending for violation of the environmental laws (supported by an undertaking)

No Court Case is pending.

9. Undertaking to the effect that no activity has since been taken up.

Undertaking from the project proponent that no activity has been taken up since closure notice issued by JSPCB on 30/08/2016 is provided in Annexure-1.

10. Details of earlier EC, if any and compliance thereof.

The existing units were installed based on the NoC's from Bihar Pollution Control Board during 1991 and 1999 and from Jharkhand State Pollution Control Board (JSPCB) during 2005. The company expanded its production in 2007 by installation of two SAF units after obtaining NOC from JSPCB. These units were in operation till 31.12.2012 after obtaining CTO from JSPCB. However, JSPCB vide letter No. B-3651 dated 31/05/2013 directed the project proponent to stop the operation of 62 TPD Ferro alloys through SAF# 3 & 4, installed during 2007 and accorded CTO only for 46 TPD Ferro alloy production. Compliance with the conditions of Consent to Operate is provided with Form-2.

11. Details of earlier appraisal by EAC/ SEAC; observation and compliance.

The project was appraised by the Expert Appraisal Committee (Violation) during its 27th meeting held on 30/10/2019. During the meeting, the EAC asked to provide Additional

Details related to the project. The ADS reply for all the points raised was submitted to MoEFCC on 15.09.2020.

The project was appraised by the Expert Appraisal Committee (Violation) during its 37th meeting held on 22/10/2020. During the meeting, the EAC asked to provide Additional Details related to the project. The ADS reply for all the points raised was submitted to MoEFCC on 27.03.2021.

Violation: PP has installed facilities for 46 TPD (16100 TPA) after obtaining Consent to Establish from Bihar State Pollution Control Board in the year 1991 and 1999 and from Jharkhand State Pollution Control Board in the year 2005. Environmental Clearance as per EIA Notification, 1994 was not required as the project cost was less than Rs. 50 Cr.

In the year 2007, Anjaney Ferro Alloys Ltd. has enhanced the production capacity of its Ferro-alloys production from 16100 to 37,800 TPA by installation of 2x8.5 MVA SAF for production of 62 TPD (2x31 TPD) ferro alloys after obtaining CTE from JSPCB on 03.10.2007.

In the year 2013, while granting CTO, JSPCB granted CTO for the production of 46 TPD (16,100 TPA) only and directed the occupier to stop the production from the units SAF# 3 & 4 (2x31 TPD) installed during 2007 and also directed to obtain Environment Clearance for the same under EIA Notification, 2006. However, the unit was operational till 30/08/2016 on the basis of stay order from Jharkhand High Court. Subsequently a Closure Notice was issued by JSPCB under Section 5 of EP Act 1986 on 30/08/2016 for stoppage of operation of two SAFs of capacity 31 TPD, each and the same are not in operation since.

Observations and recommendations of EAC in the 27th EAC meeting held on 31st October - 1st November, 2019:

1. CER cost to be revised as per the green field project.
2. Damage cost to be revised on the basis of quantification of damage due to air quality, water used during construction phase and operation phase.
3. Violation is from 2006 onwards and 3% of net profit to be loaded to damage cost.
4. Air quality prediction to be done during violation phase and included in calculating the damage cost.
5. Product details during violation period to be submitted.
6. Details of green belt along with the photographs to be submitted.
7. Pre mining and post mining details of Land use/Land change to be submitted.
8. PP should submit the report with EMP cost and saving on EMP cost, if any for calculation of damage cost,
9. Status of credible action under section 19 be submitted
10. Health risk assessment of the employees working near the Submerged Arc Furnace and people of the surrounding due to gases emitted from the Submerged Arc Furnace.
11. Disposal pattern of slag with analysis with respect to heavy metals.
12. Submission of the total cost of the project
13. Submission of credible action proof.

14. Revised Public Hearing table regarding issues raised with commitment made by the proponent with time bound action plan along with fund provision.
15. Copy of latest environmental statement submitted to state PCB.
16. Line diagram showing the pollution equipment to be submitted.
17. Photograph showing existing green belt and pollution control equipment to be submitted

Observations and recommendations of EAC in the 37th meeting held on 22nd-23rd October, 2020

Above additional details related to the project were submitted to Ministry on 15.09.2020, accordingly proposal was considered in the 37th meeting. Project Proponent alongwith consultant made the detailed presentation on the information sought by the EAC in 27th meeting. EAC after detailed presentation by the PP, observed following:

- The Air Quality modeling was carried out for the Violation period from 2006 to 2016. The emission rates were calculated from the Emission factors provided by AP-42 and the production data of violation period. Average Historical Meteorological Data was used in Air Quality Prediction.
- The budget for CER is kept at Rs. 47 Lakhs (2% of project cost), since the total cost of the Violating Units is Rs. 23.38 crores.
- After revised damage assessment including 3% of net profit loaded to damage cost, revised RP, NRA and CRA are prepared by the PP with total cost of Rs 5,500,000.
- A Complaint Case No. 167/2020 is in the Court of Sub. Divisional Magistrate at Jamtara, Jharkhand under Section 43 of Air (Prevention & Control of Pollution) Act, 1981 and under Section 19 of Environment (Protection) Act, 1986 against the Directors of the Company was filed on 16.03.2020 on the basis of complaint by Jharkhand State Pollution Control Board vide letter no. B-1950 dated 20.12.2019.
- As there is no existing EC to this project, therefore it cannot be considered expansion, accordingly EAC modified the title of the project.

EAC after detailed deliberation on the information submitted by the PP, deferred the project for want of following information:

1. CER shall be revised as per the Ministry's OM dated 23.10.2020 and the amount so arrived at shall be a part of EMP (CAPITAL COST) and the budgetary expenditure provision made accordingly.
2. Revised damage assessment for air environment, and surface water as suggested during the meeting.
3. Revised green belt plan and accordingly revise damage assessment shall be done for land environment.
4. Annual recurring cost saved for EMP during violation period shall also be added to damage assessment cost.
5. CTO to be submitted showing permission for use of slag having chromium and other metallic impurities

Observations and recommendations of EAC in the 46th meeting (present meeting) held on 09th April 2021

Above additional details as sought by the EAC during the earlier meeting were submitted to Ministry on 27.03.2021, accordingly proposal was considered in the 46th meeting. Project Proponent alongwith consultant made the detailed presentation on the information sought by the EAC in 37th meeting. EAC after detailed presentation by the PP, advised the PP to submit the revised table considering 3% of the economic benefit to the Natural and community resource augmentation plan, further submit the under taking regarding installation of PTFE bag filters and continuous emission monitoring system.

EAC advised PP to submit the above information prior to finalization of the minutes of the meeting to all the members through email.

PP accordingly, submitted the information to all the EAC members. EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Additional information, Annexure etc), **recommended** the proposal for grant of Environmental Clearance subject to the compliance of the following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of Rs **11,868,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of two years.

Remediation plan with budgetary provision

S.No.	Environment Component	Activity Description	Total Budgetary Provision in Rs.		
			1 st Year	2 nd Year	Total
1	Land Environment	1. Assistance to farmers by providing seedlings, manure and fertilizers = Rs.300,000/- 2. Concrete flooring with Shed for storage of Raw Materials, Solid wastes/slag/used oil etc. Rs 100,000/- 3. Domestic waste collection system in village Bhutberia: Rs 120,000/- 4. Providing 10 Nos.	500,000 (Assistance to farmers, Concrete flooring and colour coded dustbins)	520,000 (Domestic waste collection system and Providing Bund maker, Ridger, plough for agriculture purpose)	1,020,000

S.No.	Environment Component	Activity Description	Total Budgetary Provision in Rs.		
			1 st Year	2 nd Year	Total
		colour coded dustbins in nearby villages Rs. 100,000/- . 5. Providing Bund maker, Ridger, plough for agriculture purpose to villagers Rs. 400,000/-			
2	Air Environment	1. Sprinkling of water on roads of Phokradih, Kalyangram and Pithiakiari village = Rs 400,000/- 2. Total of 300 trees will be planted along the approach road of plant = Rs. 200,000/- 3. Providing E-Rickshaw for public transport in Piasola village = Rs 600,000/- . 4. Distribution and Maintenance of air purifier at panchayat office of Kalyangram and Muchidi villages = Rs. 400,000/- .	800,000 (Sprinkling of water on roads and Distribution and Maintenance of air purifier)	800,000 (Plantation of 300 Trees and Providing E-Rickshaw for public transport)	1,600,000
3	Water Environment	1. Providing drinking water purifiers (Aquafresh RO system) for Jorebari and Chilaldanga villages = Rs. 30,000 x 2 + 40000 = Rs. 250,000/- . 2. Construction of toilet under Swatch Bharat Mission in Kalyangram and Pithiakiari villages Rs. 200,000/- . 3. Construction of one bore	402,000 (Providing drinking water purifiers, Construction of two Sedimentation tanks and Construction of one bore well)	400,000 (Construction of toilet and Rain water harvesting pond)	802,000

S.No.	Environment Component	Activity Description	Total Budgetary Provision in Rs.		
			1 st Year	2 nd Year	Total
		<p>well in Jorebari village for agriculture purpose = Rs. 50,000/-</p> <p>4. Rain water harvesting pond at Pialsol village = Rs.200,000/-</p> <p>5. Construction of two Sedimentation tanks for collection of surface water runoff in monsoon for Phokradih village Rs. 102,000/-</p>			
4	Noise Environment	<p>1. Health camp for Audiometry Test in nearby villages = Rs 500,000/-</p> <p>2. Distribution of Hearing aids to the needed Sr. Citizens of the nearby area @ 1000 x 500 person = Rs. 500,000/-</p> <p>3. Plantation at the Chilaldanga village periphery = Rs. 390,000/-</p>	<p>390,000</p> <p>(Plantation at the Chilaldanga village)</p>	<p>1,000,000</p> <p>(Health camp for Audiometry Test and Distribution of Hearing aids)</p>	1,390,000
5	Biological Environment	<p>1. Tree plantation at Halodkandi and Jorebari villages = Rs 156,000/-</p> <p>2. Development of Park in Maliadih village = Rs. 300,000/-</p> <p>3. Funds for conservation of aquatic life in Ajay River and Maithan Reservoir to district collector/Water resource department = Rs. 200,000</p>	<p>300,000</p> <p>(Development of Park)</p>	<p>356,000</p> <p>(Tree plantation and Funds for conservation of aquatic life)</p>	656,000

S.No.	Environment Component	Activity Description	Total Budgetary Provision in Rs.		
			1 st Year	2 nd Year	Total
6	Socio-economic Environment	1. Organizing health camps for labourers = Rs 58,000/- 2. Providing medical camp for domestic animals = Rs 50,000/- .	50,000 (Providing medical camp for domestic animals)	58,000 (Organizing health camps)	108,000
Total			2,442,000	3,134,000	5,576,000

Natural Resource Augmentation Plan with budgetary provision

Sl. No.	Proposed Activities	Budget (Rs.)		
		1 st Year	2 nd Year	Total
1	Installation of Bio-degradable waste converter in Benagari village	150,000	150,000	300,000
2	First Aid Medical center for Pialsola village	121,000	121,000	242,000
3	Renovation of community wells along with water troughs for animals at nearby villages	150,000	150,000	300,000
4	Construction of KalyanMandap at Kusbediavillage	100,000	100,000	200,000
5	Development of drainage system of 2 km in length and Repair of culverts in Bhutberia and Pialsola villages	300,000	300,000	600,000
6	Installation of Cow sheds (Dimensions 30x10 m) in Kusbedia and Gorainala villages	200,000	200,000	400,000
Total		1,021,000	1,021,000	2,042,000

Community Resource Augmentation Plan with budgetary provision

Sl. No.	Proposed Activities	Budget (Rs.)		
		1 st Year	2 nd Year	Total
1	6 Computers with accessories will be provided to high school of Muchidi	125,000	125,000	250,000

2	Providing Health Checkup camp and materials related to Covid-19 prevention to the nearby villages. (Masks Distribution @ Rs.25/mask, Sanitizers @ Rs.100/sanitizer, Scientific equipment (Shycocan) in four nearby villages for enclosed public spaces like hospital, schools, community hall, etc to prevent viral disease air & surface transmission Including Corona family of viruses@25000/Unit)	1,000,000	1,000,000	2,000,000
3	Providing Library and park development at nearby High school.	500,000	500,000	1,000,000
4	Provision of solar panel lighting (6 Lamps) in community areas of Mihijim village	300,000	300,000	600,000
5	Installation of water pumps (10 LPH) at agriculture fields in Jiyajori village	200,000	200,000	400,000
Total		2,125,000	2,125,000	4,250,000

Summary

S.No.	Aspects	Budget (Rs)
1	Estimated Cost on remediation plan based on the damage assessment due to violation	5,576,000
2	Natural resource augmentation Plan	2,042,000
3	Community resource augmentation Plan	4,250,000
Total		11,868,000

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs **11,868,000/-**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs **11,868,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- iii. Remediation plan shall be completed in 2 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP

Sl. No	Activities	Amount (Rs)			
		1 st Year	2 nd Year	3 rd Year	Total
1	Community Development				
	Installation of Drinking Water Purifier 50 liters per Hours (LPH) Commercial UV + RO Water Auto Shut off and TDS Adjuster	126607 (1 No. of water purification unit at Bhutberia village)	253214 [2 Nos. of Water purification unit at Gorainala and Pialsola villages (one in each village)]	126607 (1 No. of Water purification unit at Kusbedia village)	506428
	Renovation of Ponds for rain water harvesting	400000 [Renovation of Pond in Gorainala village (Dimensions 150×40m)]	100000 [Renovation of Pond in Jiyajori village (Dimensions – 48×24 m)]	400000 [Renovation of Pond in Pialsola village (Dimensions – 170×88 m)]	900000
2	Educational /Training				
	Construction of 2 smart classrooms (10 ×12 ft each) with yeranda (5×20 ft) in JJS College, Mihijim, Jharkhand	650000 (Construction of one class room with smart class accessories)	650000 (Construction of second class room with smart class accessories)	200000 (Construction of veranda both class rooms)	1500000
3	Health Development				
	24×7 Ambulance facility for Bhutberia, Mihijim, Kusbedia, Gorainala, Pialsola, Jiyajori and other villages located within 5-10 km from plant premises	1046786 (1 No. of ambulance with medical equipments for Bhutberia, Mihijim and Kasbedia villages)	1046786 (1 No. of ambulance with medical equipments for Gorainala, Pialsola and Jiyajori villages)	--	2093572
	Grand Total in Rs				5,000,000

- vi. Solvents shall be stored in a separate space specified with all safety measures. Project Proponent shall keep inventory of solvents and fuel not more than five days. Sensors for odours will be installed at sensitive locations.
- vii. Project Proponent to ensure proper disposal of Hazardous wastes.
- viii. Project Proponent shall create green belt (peripheral plantation) as per guidelines of MoEFCC in the additional area as requested by the PP adjoining the present boundary.
- ix. The PP shall examine to work with cement plants for the disposal of Silico Manganese/ferro manganese slag.

46.3.3. Production of synthetic organic chemicals (Polymer of Vinyl acetate, Vinyl copolymers, Acrylic Polymers & Polyvinyl Alcohol Solution) by M/s Jesons Industries Limited (Unit III) at Sy. No. 377/1/(16 A), Village Kachigam, Daman (UT of Daman & Diu) - Further consideration for Environmental Clearance Proposal No. IA/DD/IND3/188146/2017 and File No. 23-113/2018-IA.III (V)

The Project Proponent and the accredited Consultant M/s. Team Labs and Consultants, made a detailed presentation on salient features of the project and informed the following to the EAC:

- i The Proposal is for Environmental Clearance (EC) for production of synthetic organic chemicals (Acrylic Polymers) at Sy. No. 377/1/(16A), Kachigam village, Daman and Diu Tehsil and District in the union territory of Daman and Diu **by M/s. Jesons Industries Limited Unit III.**
- ii The project proposal was considered by the Expert Appraisal Committee (Industry) in its 20th EAC meeting held on 28th-29th March, 2019 and recommended Standard Terms of References (TORs) along with specific terms of reference for the Project. The TOR was issued by Ministry vide letter no. 23-113/2018-IA.III(V); dated 28.10.2019.
- iii All Synthetic organic chemicals manufacturing units located outside notified industrial area are listed at S.No. 5(f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv Jesons Industries Ltd. Unit III started operation in 1996 and obtained Consent letter no. PCC/DMN/5-3629/96-97/1278 dated 06.08.1996 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing vinyl acetate (600 MTPA), vinyl copolymers (600 MTPA), acrylic polymers (960 MTPA) and poly vinyl alcohol solution (100 MTPA) which did not attract prior environment clearance as the EIA notification was issued in 1994. The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No. PCC/DDD/O-720/WA/AA/KG/96-97/314 dated 14.07.2017 valid till 31.07.2021.

- v Existing land area of 930.77 m² (0.23 acres) land will be used for proposed expansion. No additional land acquired for proposed expansion.
- vi Industry is already developed Greenbelt in an area of 33% i.e., 310 m² (0.076 acres) of area of the project site.
- vii The estimated project cost for proposed expansion is Rs 2 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 31.8 lakhs and the Recurring cost (operation and maintenance) will be about Rs 20.5 lakhs Per annum.
- viii Total Employment from proposed expansion will be 15 persons as direct. Industry proposes to allocate 4.5 % i.e., Rs. 9 crores capital cost towards Corporate Environment Responsibility (CER) as per Ministry OM dated 1st May, 2018.
- ix There are No national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, Reserve forests etc. lies within 10 Km distance.

There are area has nine reserve forests in the 10km radius study area, and the nearest reserve forest is at a distance of 3 km in the southwest direction. Interstate boundary between Gujarat state and the union territory of Daman, Diu and Nagarhaveli is at a distance of 0.63 km from the site in south direction.

Daman Ganga river is flowing at a distance of 0.5 km from the site in southwest direction, Kolak river is flowing at a distance of 5.4 km from the site in northwest direction, Kalu or Darota Nadi is flowing at a distance of 3.5 km from the site in southwest direction.

- x Ambient air quality monitoring was carried out at eight locations during March – May 2019 and submitted baseline data indicates that ranges of concentrations of PM₁₀ (48-89 µg/m³), PM_{2.5} (16-42 µg/m³), SO₂ (5-33 µg/m³) and NO₂ (10-34 µg/m³) respectively. AAQ modelling study for point source emissions indicates that the maximum incremental GLC_s after the proposed expansion would be 0.07 µg/m³, 1.01 µg/m³, and 1.49 µg/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- xi The total water requirement after expansion is 48.4 KLD out of which 41.9 KLD will be fresh water and 6.5 KLD is recycled water. The required water is drawn from external sources of Industrial tankers.
- xii Effluent of 8.5 m³/day will be treated through “Zero Liquid Discharge” based effluent treatment system. The treatment system consists of biological treatment plant followed by evaporation. Condensate from evaporation is reused in cooling towers and boiler make-up, salts are sent to Gujarat Enviro Protection Infrastructure Limited (GEPIL), MotaRandha, Dadra Nagar Haveli. Domestic wastewater will be sent to septic tank followed by soak pit.

- xiii Power requirement after expansion will be 200 kVA inclusion existing 100 kVA and will be met by Daman and Diu Electricity. Existing unit has 1 no. DG set of capacity 100 kVA; additionally, 1 x 100 kVA DG set is proposed as standby during power failure. Stack (height 2 m) will be provided as per CPCB norms to the proposed DG set of 1 x 100 kVA in addition to existing DG set stack (height 2 m for 100 kVA) which will be used as standby during power failure.
- xiv Existing unit has 2 x 600 TPH furnace oil fired boilers, out of which 1 x 600 kg/hr will be kept as standby. No additional boilers are proposed for expansion. Effective stack with height of 25m installed for controlling the Particulate emissions (within statutory limit of 115 mg/Nm³).
- xv Details of Process emissions generation....and its management: No process emissions will anticipate from manufacturing process.
- xvi Details of solid waste/Hazardous waste generation and its management.

Solid waste generated from proposed expansion is filter residue and reactor scraping residue generated from manufacturing activity, ETP sludge and evaporation salts from wastewater treatment, used oil from boiler and standby DG sets. Filter and reactor scraping residue is sent to CSWD site of GEPIL, MotaRandha, Dadra Nagar Haveli. Waste oil and used batteries from the DG sets are sent to authorized recyclers. The sludge from effluent treatment plant is considered hazardous and the same is sent to CSWD site of GEPIL, MotaRandha, Dadra Nagar Haveli. The solid wastes are stored in containers in designated storage location and are labelled. The other solid wastes expected from the unit are containers, empty drums which are returned to the product seller or sold to authorize buyers after detoxification.

- xvii Public Hearing for the proposed project has been conducted by the Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli on 05.10.2020 at 11.00 AM at Daman Industries Association Hall at Kachigam village, Somnath, Nani Daman. The main issues raised during the public hearing are related to employment to locals and wastewater treatment and disposal.
- xviii Details of Certified compliance report submitted by RO, MoEF&CC.: Jesons Industries Ltd. Unit III started operation in 1996 and obtained Consent letter no. PCC/DMN/5-3629/96-97/1278 dated 06.08.1996 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing vinyl acetate, vinyl co-polymers, acrylic polymers and poly vinyl alcohol solution which did not require environment clearance at that time (based on S.O. 60(E) dated 27.01.1994 EIA notification). The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No. PCC/DDD/O-720/WA/AA/KG/96-97/314 dated 14.07.2017 valid till 31.07.2021.
- xix Status of Litigation Pending against the proposal, if any: Case No. 02/2020 under section 15 and 16 of EPA act 1986. Hearing is going on.
- xx Following are the list of proposed manufacturing capacities

Manufacturing Capacity

S. No	Name of Product	Capacity (TPA)		
		Permitted/ Existing	Proposed	Total production
1	Polymers of Vinyl Acetate	600	--	600
2	Vinyl Co-Polymers	600	--	600
3	Acrylic Polymers	960	21740	22700
4	Polyvinyl Alcohol Solution	100	--	100
	Total	2260	21740	24000

List of Utilities

S. No	Utility	Consented	Addition for Enhanced Capacity	After Expansion
1	Furnace Oil Fired Boiler (Kg/hr)	2 x 600	---	2 x 600*
2	DG Sets (kVA)**	1 x 100	1 x 100	2 x 100

* 1 x 600 Kg/hr Furnace oil fired Boiler shall be kept as standby.

**DG sets will be used during load shut down period only

Violation details: The unit obtained consent to operate vide consent no. PCC/DMN/5-3629/96- 97/1278 dated 06.08.1996 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing polymers of vinyl acetate (600 MTPA), vinyl co-polymers (600 MTPA), acrylic polymers (960 MTPA) and poly vinyl alcohol solution (100 MTPA). The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No. PCC/DDD/O-720/WA/AA/KG/96-97/314 dated 14.07.2017 valid till 31.07.2021. The unit initiated enhanced production of Acrylic Polymers from 960 TPA to 22700 TPA without EC from 10.03.2016. The total manufacturing capacity is 24000TPA in existing site area of 0.23 acres.

Observation and Recommendation of the EAC in the 40th meeting held on 31st December, 2020

After detailed presentation by the PP, EAC observed that PP obtained consent to operate vide consent no. PCC/DMN/5-3629/96- 97/1278 dated 06.08.1996 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing polymers of vinyl acetate (600 MTPA), vinyl co-polymers (600 MTPA), acrylic polymers (960 MTPA) and poly vinyl alcohol solution (100 MTPA). The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No. PCC/DDD/O720/WA/AA/KG/96-97/314 dated 14.07.2017 valid till 31.07.2021. The unit initiated enhanced production of Acrylic Polymers without EC from 10.03.2016 and stopped enhanced production. It was proposed to increase the manufacturing capacity of acrylic polymers from 960 TPA to 22700 TPA without increasing other products manufacturing capacity. The total manufacturing capacity after expansion was 24000 TPA in existing site area of 0.23 acres. EAC further noted that application is for 24000 TPA manufacturing capacity and No previous EC was granted to the Project, as proposal is being appraised for EC for the first time, instant proposal should not have treated as expansion proposal

as far as EC is concerned. EAC therefore opined to modify the subject title. EAC deliberated on the project including damage assessment part. EAC observed that environmental damage assessment is required to be revised. EAC after detailed deliberation deferred the project for want of following information:

1. Details of waste water treatment including flow sheet for Material balance.
2. Rework on the entire damage assessment of all the environmental attributes and preparation of Remediation, Natural and Community Resource Augmentation Plan.
3. Damage assessment shall be done considering profit accrued during the violation period (3% to CRA), cost of EMP saved during the violation period. Further, RP, NRA and CRA should be prepared outside the Industrial unit and not related to the EMP.58
4. RP, NRA & CRA should have limited activities with capital investments and beneficial to the environment and society.
5. Details of sensors in the plant for even small emission/solvent leakage along with photographs. Emergency preparedness plan in the event of failure of sensors to detect the emission.
6. Worst Case Scenario and risk assessment shall be studied using 3D modelling.
7. Land use plan before and after establishment of the industry should be submitted in tabular form.
8. Details of reaction and mass balance shall be submitted.
9. As per the Ministry's OM dated 30.09.2020, physical activities shall be proposed considering issues raised during Public Hearing/requirement of local population. Activities should be made tabulated.
10. Details of EC and Non EC products in TPM covered under EIA Notification 1994 and 2006 to be tabulated with details of consent to establish and consent to operate.
11. 1% of capital cost shall be spent under EMP for community development activity.

Observation and Recommendation of the EAC in the 46th meeting (present meeting) held on 09th April 2021:

Information sought by the EAC in the 40th meeting was submitted to the Ministry through Parivesh Portal, accordingly proposal was taken to the 46th EAC meeting for further consideration. Project Proponent along with consultant made the detailed presentation on the information sought by the EAC, in the earlier meeting. EAC deliberated on the information submitted and as presented.

EAC suggested the Project Proponent to submit the revised cost estimate for community development as per PH issues. Further, cost of EMP against PH issues should be delinked with total estimated damage cost and revised EMP cost shall be submitted. EAC advised PP to submit the information through email to the EAC members before finalization of the minutes of the meeting.

As suggested by the EAC, PP submitted the revised details to the EAC. EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Additional information, Annexure etc), **recommended** the proposal for grant of Environmental

Clearance subject to the compliance of the following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of Rs 27.32 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given below:

Table: Remediation plan with budgetary provision

S. No	Component Remediation	Remediation Proposed	Description	Location	Rate	Total Qty	In Rs.			
							Total Cost	Year I	Year II	Year III
1	Air & Noise Environment	Avenue Plantation	Plantation of native plants at 90% survival rate; with allocated cost of each sapling of not less than Rs.1000, including maintenance for 3 years	Plantation in the industrial area	1000	500	5,00,000	2,50,000	1,25,000	1,25,000
Total							5,00,000	2,50,000	1,25,000	1,25,000

Table: Natural and Community Resource augmentation plan with budgetary provision

S. No	Component Remediation	Remediation Proposed	Description	Location	Rate	Total Qty	In Rs.			
							Total Cost	Year I	Year II	Year III
1	Natural Resource Augmentation Plan Activities	Ground Water regime recharging	To provide 4 Nos RWH structure in each location of nearby villages including	Nayakwad Kuchigaon Zarigaon	50,000	12	6,00,000	2,00,000	2,00,000	2,00,000

			mainten ance for 3 years @ Rs.50,000 /- per unit							
Total – I							6,00,000	2,00,000	2,00,000	2,00,000
2	Communit y Resource Augmentat ion Plan Activities	Infrastruct ure Developm ent	Relaying and Maintena nce of water pipeline network in Chala and Zarigaon in consultati on with the panchayat	Nayakw ad Kuchiga on	LS	LS	16,32,536	5,44,178	5,44,178	5,44,178
Total – II							16,32,536	5,44,178	5,44,178	5,44,178
TOTAL –I and II							22,32,536	7,44,178	7,44,178	7,44,178

Summary

S.No	Description	Estimated Cost (in Rs. Lakhs)
1	Remediation Plan	5.00
2	Natural Resources and Augmentation Plan	6.00
3	Community Resources Augmentation Plan	16.32
	Total	27.32

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 27.32 lakhs. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 27.32 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- iii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the

remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities considering public hearing issues for community development under EMP:

S.No	DESCRIPTION OF ACTIVITY	LOCATION	RATE	TOTAL QTY.	TOTAL COST (RS.)	YEAR I	YEAR II	YEAR III
1	Repair of Infrastructure and supply of equipment's to Primary health centre in nearby village *	Kachigao n	4 Lakhs *	1	4 Lakhs	4 Lakhs	--	--
2	Supply & Installation of RO system in nearby village (<i>70 lts/hr and 50 lts/hr capacity</i>)	Nayakwad Kuchigao n	LS	2	5 Lakhs	3 Lakhs	2 Lakhs	--
3	Avenue Plantation/Plantation in nearby villages in consultation with village panchayat (fruit bearing trees)	Nayakwad Kuchigao n	LS	2	1.5 Lakhs	1 Lakh	0.5 Lakh	--
Grand Total In Rs					10.5 Lakhs	8 Lakhs	2.5 Lakhs	

- x. Preventive measures to be taken to control ignition sources in bulk storage area and fire protection system to be established above ground storage tanks. Proper earthing shall be provided.
- xi. Proper precautions to be taken to prevent inadvertent mixing of chemicals. Standard operating procedures to be strictly followed during handling of chemicals.

- xii. Solvents shall be stored in a separate space specified with all safety measures. Project Proponent shall keep inventory of solvents and fuel not more than five days. Sensors for odours will be installed at sensitive locations.
- xiii. Project Proponent to ensure proper disposal of Hazardous wastes.
- xiv. Project Proponent shall create green belt (peripheral plantation) as per guidelines of MoEFCC in the additional area as requested by the PP adjoining the present boundary.

46.3.4. Expansion of Construction emulsions, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives by M/s Jesons Industries Limited (Unit I) at Sy. No. 377/1/7, Village Kachigam, Daman (UT of Daman & Diu) - Further consideration for Environmental Clearance Proposal No. IA/DD/IND3/188107/2017 and File No. 23-114/2018-IA.III (V)

The Project Proponent and the accredited Consultant M/s. Team Labs and Consultants, made a detailed presentation on salient features of the project and informed the following to the EAC:

- i. The Proposal is for Environmental Clearance (EC) for proposed expansion of Construction, Synthetic acrylic polymer emulsions, Industrial synthetic adhesives, Glue and Adhesives at Sy. No. 377/1/7, Kachigam village, Daman and Diu Tehsil and District in the union territory of Daman and Diu **by M/s. Jesons Industries Limited Unit I.**
- ii. The project proposal was considered by the Expert Appraisal Committee (Industry) in its 20th EAC meeting held on 28th-29th March, 2019 and recommended Standard Terms of References (TORs) along with specific terms of reference for the Project. The TOR was issued by Ministry vide letter no. 23-114/2018-IA.III(V); dated 05.11.2019.
- iii. All Synthetic organic chemicals manufacturing units located outside notified industrial area are listed at S.No. 5(f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv. Jesons Industries Ltd. Unit I was established in 2000 and obtained Consent letter no. PCC/DDD/G-2255/WA/KG/99-2000/758 dated 12.07.2000 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing synthetic adhesives (3000 MTPA) and textile auxiliaries (5400 MTPA) which did not attract prior environment clearance as the EIA notification was issued in 1994. The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No. PCC/DDD/PCC/DDD/G-2255/WA/AA/KG/99-00/559989 dated 27.07.2020 valid till 28.02.2023.

- v. Existing land area of 2913.74 m² (0.72 acres) land will be used for proposed expansion. No additional land acquired for proposed expansion.
- vi. Industry is already developed Greenbelt in an area of 33% i.e., 971.25 m² (0.24 acres) of area of the project site.
- vii. The estimated project cost for proposed expansion is Rs 4 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 42.9 lakhs and the Recurring cost (operation and maintenance) will be about Rs 27.4 lakhs Per annum.
- viii. Total Employment from proposed expansion will be 15 persons as direct. Industry proposes to allocate 2.5 % i.e., Rs. 10 lakhs capital cost towards Corporate Environment Responsibility (CER) as per Ministry OM dated 1st May, 2018.
- ix. There are No national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, Reserve forests etc. lies within 10 Km distance.

There are area has nine reserve forests in the 10km radius study area, and the nearest reserve forest is at a distance of 2.9 km in the southwest direction. Interstate boundary between Gujarat state and the union territory of Daman, Diu and Nagarhaveli is at a distance of 0.62 km from the site in south direction.

Daman Ganga river is flowing at a distance of 0.4 km from the site in southwest direction, Kolak river is flowing at a distance of 5.5 km from the site in northwest direction, Kalu or Darota Nadi is flowing at a distance of 3.4 km from the site in southwest direction.

- x. Ambient air quality monitoring was carried out at eight locations during March – May 2019 and submitted baseline data indicates that ranges of concentrations of PM₁₀ (48-89 µg/m³), PM_{2.5} (16-42 µg/m³), SO₂ (5-33 µg/m³) and NO₂ (10-34 µg/m³) respectively. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed expansion would be 0.07 µg/m³, 1.01 µg/m³, and 1.49 µg/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- xi. The total water requirement after expansion is 67.1 KLD out of which 57.9 KLD will be fresh water and 9.2 KLD is recycled water. The required water is drawn from external sources of Industrial tankers.
- xii. Effluent of 10.8 m³/day will be treated through “Zero Liquid Discharge” based effluent treatment system. The treatment system consists of biological treatment plant followed by evaporation. Condensate from evaporation is reused in cooling towers and boiler make-up, salts are sent to Gujarat Enviro Protection Infrastructure

Limited (GEPIL), MotaRandha, Dadra Nagar Haveli. Domestic wastewater will be sent to septic tank followed by soak pit.

- xiii. Power requirement after expansion will be 500 kVA inclusion existing 250 kVA and will be met by Daman and Diu Electricity. Existing unit has 1 no. DG set of capacity 250 kVA; additionally, 1 x 250 kVA DG set is proposed as standby during power failure. Stack (height 9 m) will be provided as per CPCB norms to the proposed DG set of 2 x 250 kVA in addition to existing DG set stack (height 9 m for 250 kVA) which will be used as standby during power failure.
- xiv. Existing unit has 2 x 850 TPH furnace oil fired boilers, out of which 1 x 850 kg/hr will be kept as standby. No additional boilers are proposed for expansion. Effective stack with height of 30m installed for controlling the Particulate emissions (within statutory limit of 115 mg/Nm³).
- xv. Details of Process emissions generation....and its management: No process emissions will anticipate from manufacturing process.
- xvi. Details of solid waste/Hazardous waste generation and its management.

Solid waste generated from proposed expansion is filter residue and reactor scraping residue generated from manufacturing activity, ETP sludge and evaporation salts from wastewater treatment, used oil from boiler and standby DG sets. Filter and reactor scraping residue is sent to CSWD site of GEPIL, MotaRandha, Dadra Nagar Haveli. Waste oil and used batteries from the DG sets are sent to authorized recyclers. The sludge from effluent treatment plant is considered hazardous and the same is sent to CSWD site of GEPIL, MotaRandha, Dadra Nagar Haveli. The solid wastes are stored in containers in designated storage location and are labelled. The other solid wastes expected from the unit are containers, empty drums which are returned to the product seller or sold to authorize buyers after detoxification.

- xvii. Public Hearing for the proposed project has been conducted by the Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli on 05.10.2020 at 11.00 AM at Daman Industries Association Hall at Kachigam village, Somnath, Nani Daman. The main issues raised during the public hearing are related to production quantity, wastewater disposal and storages.
- xviii. Details of Certified compliance report submitted by RO, MoEF&CC.

Jesons Industries Ltd. Unit I was established in 2000 and obtained Consent letter no. PCC/DDD/G-2255/WA/KG/99-2000/758 dated 12.07.2000 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing synthetic adhesives and textile auxiliaries which do not require environment clearance at that time (based on S.O. 60(E) dated 27.01.1994 EIA notification). The unit has renewed consent to operate (CTO) from PCC of Daman and Diu vide Letter No.

PCC/DDD/PCC/DDD/G-2255/WA/AA/KG/99-00/559989 dated 27.07.2020 valid till 28.02.2023

- xix. Status of Litigation Pending against the proposal, if any
Case No. 08/2020 under section 15 and 16 of EPA act 1986. Hearing is going on.
- xx. Following are the list of proposed manufacturing capacities

Manufacturing Capacity

S. No	Name of Product	Capacity (TPM)		
		Permitted/ Existing	Proposed	After Expansion
1	Synthetic Adhesives	250	--	250
2	Textile Auxiliaries	450	--	450
3	Vinyl Polymers	--	800	800
4	Acrylic Polymers	--	835	835
5	Glue & Adhesives	--	170	170
6	Primary Ink (<i>By mixing and blending without chemical reaction and usage of diazo dyes</i>)	50	---	50
	Total	750	1805	2555

List of Utilities

S. No	Utility	Consented	Addition for Enhanced Capacity	After Expansion
1	Furnace Oil Fired Boiler (Kg/hr)	2 x 850	---	2 x 850*
2	DG Sets (kVA)**	1 x 250	1 x 250	2 x 250

* 1 x 850 Kg/hr Furnace oil fired Boiler shall be kept as standby.

**DG sets will be used during load shut down period only

Observation and Recommendation of the EAC in the 40th meeting held on 31st December, 2020

After detailed presentation by the PP, EAC observed that Unit I was established in 2000 and obtained Consent letter no. PCC/DDD/G-2255/WA/KG/99-2000/758 dated 12.07.2000 from Pollution control committee (PCC) of Daman, Diu & Dadra and Nagar Haveli for manufacturing synthetic adhesives (3000 MTPA) and textile auxiliaries (5400 MTPA) which did not attract prior environment clearance as the EIA notification was issued in 1994. Initiated production (1805 TPM) of Acrylic Polymers, Vinyl Polymers and Glue & Adhesive without EC since 10.08.2015. The total manufacturing capacity is 2555 TPM including Primary Ink not covered under EC

product, in existing site area of 0.72 acres EAC further noted that application is for 2555 TPM manufacturing capacity and No previous EC was granted to the Project. As proposal is being appraised for EC for the first time, instant proposal should not be treated as expansion proposal, as far as EC is concerned.

EAC therefore opined to modify the subject title. EAC deliberated on the project including damage assessment part. EAC observed that environmental damage assessment is required to be revised. EAC after detailed deliberation deferred the project for want of following information:

1. Details of waste water treatment including flow sheet for Material balance.
2. Rework on the entire damage assessment of all the environmental attributes and preparation of Remediation, Natural and Community Resource Augmentation Plan.
3. Damage assessment shall be done considering profit accrued during the violation period (3% to CRA), cost of EMP saved during the violation period. Further, RP, NRA and CRA should be prepared outside the Industrial unit and not related to the EMP.
4. RP, NRA & CRA should have limited activities with capital investments and beneficial to the environment and society.
5. Details of sensors in the plant for even small emission/solvent leakage along with photographs. Emergency preparedness plan in the event of failure of sensors to detect the emission.
6. Worst Case Scenario and risk assessment shall be studied using 3D modelling.
7. Land use plan before and after establishment of the industry should be submitted in tabular form.
8. Details of reaction and mass balance shall be submitted.
9. As per the Ministry's OM dated 30.09.2020, physical activities shall be proposed considering issues raised during Public Hearing/requirement of local population. Activities should be made tabulated.
10. Details of EC and Non EC products covered under EIA Notification 1994 and 2006 to be tabulated with details of consent to establish and consent to operate.
11. 1% of capital cost of the project shall be earmarked under EMP for community development capital expenditure.

Observation and Recommendation of the EAC in the 46th meeting held on 09th April 2021:

Information sought by the EAC in the 40th meeting was submitted to the Ministry through Parivesh Portal, accordingly proposal was taken to the EAC for further consideration. Project Proponent alongwith consultant made the detailed presentation on the information sought by the EAC in 40th meeting. EAC deliberated on the information submitted and as presented.

EAC advised the Project Proponent to submit the revised cost estimate for community development as per PH issues. Further, cost of EMP against PH issues should be delinked from the total estimated damage cost and revised EMP cost shall be submitted. EAC advised PP to submit the information through email to the EAC members before finalization of the minutes of the meeting.

As suggested by the EAC, PP submitted the revised details to the EAC.EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Additional information, Annexure etc), **recommended** the proposal for grant of Environmental Clearance subject to the compliance of the following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of Rs 42.06 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given below:

Table: Remediation plan with budgetary provision

S. No	Component Remediation	Remediation Proposed	Description	Location	Rate	Total Qty	In Rs.			
							Total Cost	Year I	Year II	Year III
1	Air & Noise Environment	Avenue Plantation	Plantation of native plants at 90% survival rate; with allocated cost of each sapling of not less than Rs.1000, including maintenance for 3 years	Plantation in the industrial area	1000	1000	10,00,000	5,00,000	2,50,000	2,50,000
SUB TOTAL - A							10,00,000	5,00,000	2,50,000	2,50,000

Table: Natural and Community Resource Augmentation plan with budgetary provision

S. No	Activity	Description	Location	Rate	Total Qty	In Rs.				
						Total Cost	Year I	Year II	Year III	
Natural Resource Augmentation Plan Activities										
1	Ground Water regime	To provide 4 Nos RWH structure in	Chala Zarigao n	50,000	8	4,00,000	2,00,000	1,00,000	1,00,000	

	recharging	each location of nearby villages including maintenance for 3 years @ Rs.50,000/- per unit							
Total – I						4,00,000	2,00,000	1,00,000	1,00,000
Community Resource Augmentation Plan Activities									
2	Infrastructure Development	Relaying and Maintenance of water pipeline network in Chala and Zarigaon in consultation with the panchayat	Chala Zarigaon	LS	LS	28,06,342	14,03,171	14,03,171	---
Total – II						28,06,342	14,03,171	14,03,171	---
SUB TOTAL – B						32,06,342	16,03,171	15,03,171	
TOTAL (A+B)						42,06,000	21,03,171	17,53,171	3,50,000

Summary

S.No	Description	Estimated Cost (in Rs. Lakhs)
1	Remediation Plan	10.00
2	Natural Resources and Augmentation Plan	4.00
3	Community Resources Augmentation Plan	28.06
	Total	42.06

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 42.06 lakhs. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 42.06 lakhs towards

Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.

- iii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities considering public hearing issues for community development under EMP:

S.No	DESCRIPTION OF ACTIVITY	LOCATION	RATE	TOTAL QTY.	TOTAL COST (RS.)	YEAR I	YEAR II	YEAR III
1	Repair of Infrastructure and supply of equipment's to government hospital in nearby village *	Moti Daman	8 Lakhs*	1	8 Lakhs	4 Lakhs	2 Lakhs	2 Lakhs
2	Supply & Installation of RO system in nearby village (70 lts/hr capacity)	Chala Zarigaon	3 Lakhs	2	6 Lakhs	3 Lakhs	3 Lakhs	--
3	Avenue Plantation/Plantation in nearby villages in consultation with village panchayat (fruit bearing trees)	Chala Zarigaon	1 Lakhs	2	2 Lakhs	1 Lakhs	1 Lakhs	--
Grand Total In Rs					16 Lakhs	8 Lakhs	6 Lakhs	2 Lakhs

- vi. Preventive measures to be taken to control ignition sources in bulk storage area and fire protection system to be established above ground storage tanks. Proper earthing shall be

- vii. Proper precautions to be taken to prevent inadvertent mixing of chemicals. Standard operating procedures to be strictly followed during handling of chemicals.
- viii. Solvents shall be stored in a separate space specified with all safety measures. Project Proponent shall keep inventory of solvents and fuel not more than five days. Sensors for odours will be installed at sensitive locations.
- ix. Project Proponent to ensure proper disposal of Hazardous wastes.
- x. Project Proponent shall create green belt (peripheral plantation) as per guidelines of MoEFCC in the additional area as requested by the PP adjoining the present boundary.

46.3.5. Residential cum Training Complex for Special Protection Group at Plot No. 21, Sector 21, Dwarka, Delhi by M/s Special Protection Group, Cabinet Secretariat - Amendment in Environmental Clearance File No. 21-37/2018-IA.III (V)

Project Proponent made the detailed presentation before the EAC on amendment of EC proposal and informed following to the EAC:

The proposal No. IA/DL/MIS/95363/2018 dated 11th February 2019, case for grant of Environmental Clearance for the project “Construction of Residential-Cum-Training Complex at Sector-21, Dwarka” was considered in 18th EAC meeting held on 15 February 2019 and as per recommendation of the Committee, Environmental Clearance granted to SPG vide MoEF&CC F.No. 21-37/2018-IA-III dated 22nd February 2019 subject to deposition of a Bank Guarantee of Rs. 914.87 lakhs with Delhi Pollution Control Committee (DPCC) to comply the following conditions: -

- EAC recommended total amount of Rs. 914.87 lakh towards Remediation Plan, Natural and Community Resources Augmentation Plan.
- EAC recommended an expenditure of Rs. 699.60 lakh (1.5% of project cost) be made for Corporate Environmental Responsibility (CER) as per the activity proposed in the villages (Barthal, ShahbadMohammadpur, Samalkha, Bagdola, Bijwasan, Ambrahi, Pochanpur&Rajnagar Extension).

Accordingly, SPG has submitted EC amendment application to Member Secretary (Violation) showing expenditure already incurred by SPG amounting to Rs. 9,17,44,000/- on environmental friendly activities against Remediation Plan, Natural & Community Resources Augmentation Plan in last three years and expenditure to be incurred in another two years and Rs. 6,99,92,000/- already spent under Corporate Environment Responsibility (CER).

SPG has submitted a proposal for revision of Remediation Plan, Natural & Community Resources Augmentation Plan and Corporate Environment Responsibility showing the expenditure already incurred by SPG on environmental friendly measures during construction of

buildings at SPG Complex, Sector-21, Dwarka as well as at SPG Campus, Sector-08, Dwarka towards Remediation Plan, Natural & Community Resources Augmentation Plan and Corporate Environment Responsibility (CER).

- (a) As per the EC, following is the summary of budgetary provision against the Remediation Plan, Natural and Community Resource Augmentation plan:

S. No.	ASPECTS	Total Cost (in INR)
1	Remediation Plan	2,22,87,000
2	Natural Resources Augmentation Plan	3,41,00,000
3	Community Resources Augmentation Plan	3,51,00,000
Grand total		9,14,87,000

- (b) Details of activities already executed and to be continued in next two years:

Revised Remediation Plan with budgetary provision

S. NO.	Environment attributes	Amount (in Rs)	Activities executed by SPG during last three years and to be continued in next two years
a)	Land Environment		
1	Providing of barriers	50,000	Provided barriers as per EC.
b)	Air Environment		
1	Legal as well as Environmental Awareness camp for dust pollution and mitigation measures for builders and residents in the nearby area	7,00,000	(i) To mitigate pollution, Hessen cloth was used to cover all raw materials during construction. (ii) All trucks carrying construction material were covered and separate tyre cleaning facility was also provided at entry gate.

2	Plantation of trees in and nearby village areas of SPG campus	74,94,000	(i) 3800 Nos. Saplings planted. @ Rs. 1500/- including maintenance for 3 years by local employment planted in and nearby areas of SPG Campus for Rs. 56,02,000/-, amount already incurred. (ii) Maintenance of these plants @ Rs. 249/- per plant per year for 3800 plants for next 2 years Rs. 18,92,400/-to be incurred. Total amount (in rounding off) Rs. 74,94,000/-
c)	Water Environment		
1	Water Treatment and maintenance by local employment and treated water to locals.	71,65,000	(i) Provided Water Treatment Plant in SPG Complex, Sector-21, Dwarka with a total cost of Rs. 58,16,000/-. (ii) Maintenance of Water Treatment Plant by local employment including providing of treated water to local people for 2 years for Rs. 13,49,000/-. (Total Rs. 71,65,000/-)
2	Mosquito control and daily fogging	1,00,000	Daily fogging in SPG and nearby area is being done.
d)	Biological Environment		
1	Tree plantation	49,95,000	(i) 2500 Nos. plants planted @ Rs. 1500/- including maintenance for 3 years by local employment planted in and nearby area of SPG Campus Rs. 37,50,000/-. (ii) Maintenance of these plants @ Rs. 249 per plant for 2500 plants for next 2 years @Rs. 12,45,000/-. Total Rs. 49,95,000/-
	TOTAL (A)	2,05,04,000	

Revised Natural Resource Augmentation Plan

S. NO.	Environment attributes	Amount (in Rs.)	Activities executed by SPG during last three years and to be continued in next two years
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1	Provision of rain water harvesting system to recharge water level of the area	30,00,000	10 Nos. Rain water harvesting pits constructed/provided in SPG to recharge ground water level of the area at a cost of Rs. 30,00,000/-
2	Solar water heating system installation and energy conservation measures	69,00,000	111 Nos. Of Solar water heating system has been installed in SPG for energy conservation at a cost of Rs. 69, 00,000/-.
3	STP treated water for reuse to flushing, gardening and area nearby locality (nearby area, parks & gardens)	2,56,00,000	(i) Provided STP in SPG Complex, Sector-21, Dwarka for Rs. 2,28,00,000/-. (ii) Maintenance of STP by local employment including providing/ supplying STP treated water to nearby parks/ area of village Bagdola for 2 years for Rs. 28,00,000/-.(Total Rs. 2,56,00,000/-).
4	Setting of an Apiary in SPG Complex, Sector -08, Dwarka and employment provided to local villagers.	2,40,000	Setting of an Apiary in SPG Complex, Sector -08, Dwarka and employment provided to local villagers and production of honey will be continued for a period of 2 years = Rs. 2,40,000/-
	TOTAL (B)	3,57,40,000	

Revised Community Resource Augmentation plan

S. NO.	Environment attributes	Amount (in rs.)	Activities executed by SPG during last three years and to be continued in next two years
1	Migrant labourers development programme (Masonry, electrician)	5,00,000	The project was executed with the help of migrant labourer of U.P, Bihar, Rajasthan, Haryana, W.B and M.P and training was imparted during construction Rs. 5,00,000/-

2	Infrastructure development – School for SPG and Community	2,45,34,000	Vidhyarambh school has been constructed at SPG new complex. Students from nearby areas other than SPG wards are being given admission in school Rs. 2,45,34,000/-
3	Sports promotion (Community involvement)	48,66,000	(i) Sports facility i.e. Skating Rink and Basket ball court have been provided for promoting sports/games including maintenance for children = Rs. 32,11,000/- (ii) Badminton court is being maintained in extension building of Kendriya Vidhyalaya and used for children = Rs. 12,55,000/- These facilities are used by the children from the nearby areas studying in KV school. The same will be maintained for a further period of two years at an estimated cost of Rs. 4,00,000/- total = 48,66,000)
4	STP -Upgradation and utilization treated water for garden parks – SPG and nearby areas	56,00,000	The existing STP in SPG Complex, Sector-08, Dwarka was retrofitted and upgraded for better utilization of recycled water from STP and providing/supplying of treated water to nearby parks/gardens Rs. 56,00,000/-
	TOTAL (C)	3,55,00,000	

Summary

Plan	Previous Plan	Revised plan
Remediation Plan	2,22,87,000	2,05,04,000
Natural resources augmentation Plan	3,41,00,000	3,57,40,000
Community Resource Augmentation Plan	3,51,00,000	3,55,00,000
Total	9,14,87,000	9,17,44,000

(c) As per the EC, following are the activities stipulated under CER:

S. No.	Activity	Total Cost for 1 settlement (in INR)
1	Infrastructure Creation for drinking water supply	10,00,000
2	Health	10,00,000
3	Education	10,00,000
4	Electrification including solar power	15,00,000
5	Solid Waste Management facilities	20,00,000
6	Avenue Plantation	10,00,000
7	Plantation in Community Areas	12,45,000
	Total CER Cost for 1 settlement	87,45,000
	Total cost CER for 8 settlements i.e. Nearby villages (All the activities will be done in five years)	87,45,000 X 8 = 6,99,60,000

(d) Amount spent towards CER for the activities executed by the PG during last three years

S/ No.	Activities	Amount (In Rs.)	Activities executed by SPG during last three years.
1.	Education	2,09,49,000	Admission to 1025 wards other than SPG officers given admission in Kendriya Vidhyalaya functioning inside the SPG Complex, Sector-08, Dwarka. The expenditure share for each student has been worked out based on Grant (VVN) received by school and utilized for the last three years for 1025 students Rs. 2,09,49,000/-
2.	Electrification (Solar power)	2,18,00,000	(i) Installed 450 KW Solar power plant at SPG Complex, Sector-21, Dwarka (5.7% of total connected load) and providing solar lights to road side = Rs. 2,15,00,000/- (ii) 41 Nos. Solar street lights are provided along the boundary to lit the area in and around for the use of public = Rs. 3,00,000/-

3.	Solid waste management facilities (Community involvement)	70,29,000	Solid Waste Management System provided at SPG Complex, Sector-21, Dwarka. Compost so produced is being utilized for horticulture purpose and spare compost is being distributed among the nearby villages. Rs. 70,29,000/-
4.	Employment and training to nearby villages like Bagdola, Palam, Rajnagar Extension, Sahabad and other 5 villages.	2,02,14,000	(i) 57 workers for CN Paid have been engaged by SPG from nearby villages like Bagdola, Palam, Rajnagar extension, Shahbad Mohammadpur, Pochanpur, Chhawla, Bijwasan, Samalkha etc and direct benefit of employment is being given to the locals nearby SPG Complex = Rs. 62,14,000/-.
			(ii) Similarly, 122 workers for maintenance of SPG Complex, Sector-21 have been engaged by SPG with a view to give training, work experience and provide employment opportunities to skilled and semi-skilled workers from the nearby 9-10 villages, out of the total 122 workers working in the campus in various types of maintenance work, 40 Nos. of skilled as well as semi-skilled workers from nearby 10 villages have been given employment opportunities Rs. 1,40,00,000/- (total Rs. 2,02,14,000/-)
	Total	6,99,92,000	

Summary:

Plan	Expenditure as per EC	Spent under EMP against CER by SPG
Corporate Environmental Responsibility (CER)	6,99,60,000	6,99,92,000

Project Proponent in view of the above submission requested that the above amounts spent and proposed to be incurred for a minimum period of at least two years may be considered and a revised Remediation Plan, Natural & Community Resources Augmentation Plan and CER may be accepted for amendment in conditions of EC already granted for the project "Construction of Residential-cum-Training Complex for SPG on 24.62 acres of land in Sector-21, Dwarka".

Observation and recommendation of the EAC in the present meeting:

After detailed presentation by the PP, EAC observed that the SPG's project was appraised by EAC (Violation) in the 18th EAC meeting held on 15 Feb 2019 and recommended for grant of EC by the Committee with imposition of Rs. 914.87 Lakhs towards Remediation plan, Natural & Community Resources Augmentation Plan and Rs. 699.60 Lakhs towards Corporate Environmental Responsibility. MoEF&CC vide their letter No. 21-37/2018-IA-II dated 22.02.2019 issued Environmental Clearance (EC) with the above conditions in favour of SPG's project

In the context to present application for an amendment in the Ministry's EC letter dated 22-02-2019, the SPG has informed the committee about the activities already executed and to be executed in the next two years and the budgetary provisions already incurred on the environmental friendly measures towards Remediation plan, Natural & Community Resources Augmentation Plan and on Corporate Environment Responsibility (CER.) during construction of building at SPG Complex, Sector 21, Dwarka and SPG Campus Sector 80,Dwaraka..

After detailed deliberations, the committee recommended to **defer** the proposal for want of following information:

1. The project Proponent shall submit Additional Details in a tabular form giving comparison of activities under the Remediation plan, Natural and Community Resources Augmentation Plan and CER as stipulated in the said EC letter of the Ministry and the corresponding Environmental measures as executed / to be executed in the next two years by the PP along with the budgetary provisions for further consideration. This would facilitate the committee to assess whether the measures already executed / to be executed by the project proponent are as per the activities stipulated under the Remediation Plan and Natural and Community Resources Augmentation Plan and CER in the EC letter dated 22-02-2019.

2. The Committee also expressed its opinion that the Ministry may get the assessment of extent of implementation of Remediation plan and Natural and Community Resources Augmentation and CER by the Ministry's Regional Office as per Notification S.O. 804 dated 14-03-2017

46.3.6. Discussion on any other item with permission of the Chair

No other item to discuss, meeting ended with vote of thanks to the Chair
