Minutes of the 493rd Meeting of SEIAA dated. 11.07.2018

The 493rd Meeting of the State Level Environment Impact Assessment Authority was convened on 11.07.2018 at the Authority's Office in Environmental Planning and Co-Ordination Organization (EPCO), Paryavaran Parisar, Bhopal. The meeting was chaired by Shri Rakesh K. Shrivastava, Chairman, SEIAA. The following members attended the meeting:-

1	Shri R.K. Sharma	Member
2.	Shri P Narahari	Member Secretary

A. Following other than mining and mining cases have been considered :-

S.No.	Case No.	Category	No. & date of latest SEAC & SEIAA meeting
1.	5510/2017	1(a)	491st SEIAA meeting dated 05.07.2018
2.	5648/2018	5(f)	491st SEIAA meeting dated 05.07.2018
3.	5547/2017	1(a)	491st SEIAA meeting dated 05.07.2018
4.	5545/2017	1(a)	491st SEIAA meeting dated 05.07.2018
5.	5632/2017	5(f)	491st SEIAA meeting dated 05.07.2018
6.	5568/2017	3(a)	491st SEIAA meeting dated 05.07.2018
7.	5660/2018	5(f)	491st SEIAA meeting dated 05.07.2018
8.	5694/2018	1(a)	492nd SEIAA meeting dated 07.07.2018
9.	5705/2018	1(a)	492nd SEIAA meeting dated 07.07.2018

1. **Case No. 5510/2017** - Prior Environmental Clearance for **Kachhagawan Limestone Mine** (Open cast other than fully mechanized method) in an area of 1.821 ha for production capacity of 30,010 cum/year at khasra no 322 at Village-Kachhagawan, Tehsil- Katni, District- Katni (M.P.) by Shri Anil Nagrath (Owner), R/o Civil Lines, Katni, P.O.& District-Katni (M.P) – 483501

   Today the case was scheduled for presentation but PP was absent and made a request to reschedule the case for next meeting. Authority accepted the request and decided to call the PP in subsequent meetings of SEIAA.

2. **Case No. 5648/2018 :** Prior Environmental Clearance for **Manufacturing of Drug Intermediate** in plot no. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, MP Plant Area- 4700 sq.m. Proposed Capacity –274 MT by Mr. Hemant Chari Manegar, M/s Omkar Chemicals, Plot No. 19, 20, 21 Industrial Area, Nagjhiri, Dewas Road, Ujjain, MP - 456010 Email: omkarchemicals@yahoo.com Ph- 0734-2511058 Mob'. No. 91-9989526525

   Today the case was scheduled for presentation but PP was absent and made a request to reschedule the case for next meeting. Authority accepted the request and decided to call the PP in subsequent meetings of SEIAA.

3. **Case No. 5547/2017** - Prior Environmental Clearance for **Ghursal Limestone mine** (opencast other than fully mechanized method) in an area of 8.941 ha. for production capacity of 50,000 TPA at Khasra No. 147/1, 247, 1249 at Village-Ghursal, Tehsil-Gandhwani, District-Dhar (MP) by M/s Satguru Cement Pvt.Ltd. R/o 601/1 Airen Hegihts, Scheme No. 54, PU-3 Opposite C-21 Mall, A.B. Road Indore (MP) - 452001.

   (1) This is a project pertaining to mining of Limestone in MLA of 8.941 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. The project is reported to be at a distance of more

(P Narahari)
Member Secretary

(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman

than 10 km from the interstate boundary; National park and sanctuary etc. and more than 250m from the forest boundary, thus it is not attracted by the general conditions and falls under category 'B-1" by virtue of its location and mining lease area. The case was forwarded by SEIAA to SEAC for appraisal of EIA for environment clearance for the project. It was submitted that this is a proposed mine having valid lease up to 2066 with production of 50000 Tonnes per annum.

(2) It was reported by the PP that the lease area was granted to M/s Satguru Cement Pvt.Ltd. for 50 years upto 28.12.2066. This is a case of new mining lease. The scheme of mining with progressive mine closure plan has been approved by IBM, Jabalpur (F.No. MP/Dhar/Limestone/MPLN/G-04/16-17/ 2962 Jabalpur dtd. 17.12.2016).

(3) PP has produced an order of the Mineral Resources Deptt. GoMP dtd. 03.09.2015 in which after hearing the case the State Govt. has established that action be taken according to the latest circular 19-5-2015/12/1 dtd. 12.03.2015, which states that "all mining leases granted before the commencement of the Mines & Minerals (Development & Regulation) Amendment Ordinance 2015 shall be deemed to have been granted for a period of fifty years

(4) SEAC in its 316th SEAC meeting dtd. 19.06.2018 has recommended the case with 34 special conditions for issuance of EC.

(5) The case was then discussed in 491st SEIAA meeting dtd. 05.07.2018 and thereafter on scheduled date of presentation, PP/Consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail.

(6) The proposed plantation program was examined and it was found that 8000 trees shall be planted in an area of 4.00 ha during the lease period.

(7) It was noted that the water requirement is 87 KLD (74 KLD Dust Suppression + 10 KLD Green Belt + 03 KLD Drinking/ Domestic purpose), which shall be met by existing mine pit, settling tank and nearby villages.

(8) It was noted that the Public Hearing was held on 06.02.2018 at mine site, Village - Ghursal, Tehsil - Gandhwani, Dist. - Dhar (MP) under the Chairmanship of ADM, Dhar. The issues raised during public hearing were of general nature and nothing adverse was found regarding degradation of the environment.

(9) After detailed discussions and perusal of recommendations of 316th SEAC meeting dtd. 19.06.2018, presentation made by the PP in SEIAA & SEAC, it was decided to accept the recommendation of SEAC for grant of prior EC to the project **subject to the following specific conditions:-**

I. Before commencing any mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of signage at 4 corners of lease area to avoid any untoward incident involving public and animals by the PP.

II. PP shall demarcate a barrier zone of 7.5 m as "no mining zone" in the periphery of mining lease area and developed a green belt.

(P Narahari)
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(R.K. Sharma)
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Chairman

III. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.

IV. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.

V. PP will plant 3 years old 2000 trees saplings of suitable indigenous tree species during first year.

VI. PP should construct the Pakka road of 1.4 km from mine site to the main road and maintain it on regular basis. EE, RES, Dhar should also be informed about this. Plantation shall be carried out on either side of Pakka road and maintained by PP.

VII. Before commencing the mining activity, site demarcation should be done leaving 200 m. from the habitation and 100 m. from the nalla/river as a "no mining zone" and it will be maintained as buffer zone. The demarcation should be done by the Revenue Officials in the presence of Mining Officer, Dhar.

VIII. PP shall ensure that the mine waste water should not be discharge outside the mining lease area and may reused in the mining activities.

IX. No waste shall be dumped at the slopes of hillocks so that the waste generate through mining activity may not pollute the river passing in the north-east direction of the mining site.

X. Mining should be carried out in such a way that the overall slopes should be towards middle of the proposed the mining area.

XI. The over burden and waste will be stacked for five years and then simultaneously backfilled in the mined out area where plantation will be raised on it.

XII. PP shall ensure protection and conservation of existing trees falling under mining lease area and in no way these will be permitted to be cut / uprooted

XIII. PP shall ensure generation of employment opportunities to nearby Village on priority bases.

XIV. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.

XV. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.

XVI. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields

XVII. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.

XVIII. PP shall ensure the proper water supply arrangements for plantation especially in summer season.

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(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman

XIX. PP shall adopt Ghursal village and prepare the development plan in consultation with Gram panchayat/Sarpanch under the guidance of District Collector.

XX. Under CSR activity in addition to the proposed activities following activities should be added.

a) Provide need based infrastructure at school of Ghursal, Borghata, Mohanpura.

b) Provide Drip Irrigation facility at nearby villages.

c) Developed the play ground at Village Ghursal.

d) Provide drinking water facility at Village Rataitoal, Mohanpura, Chikli, Soliya, Karondiya and Borghata.

e) Sanitation activities including construction of individual toilets for local residents of nearby village in consultation with village Panchayat.

f) Installation of rainwater harvesting structure in nearby schools.

The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Administration and Grampanchayat.

XXI. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA..

Hence, Prior Environmental Clearance is for Limestone mine (opencast other than fully mechanized method) in an area of 8.941 ha. for production capacity of 50,000 TPA at Khasra No. 147/1, 247, 1249 at Village-Ghursal, Tehsil-Gandhwani, District-Dhar (MP) for the lease period to M/s Satguru Cement Pvt.Ltd. R/o 601/1 Airen Hegihts, Scheme No. 54, PU-3 Opposite C-21 Mall, A.B. Road Indore (MP) – 452001.

4. **Case No. 5545/17** - Prior Environmental Clearance for **Limestone Mine** (Opencast other than fully mechanized method) in an area of 6.773 ha. for production capacity of 7600 TPA at Khasra no. 160, 162, 203, 167, 168, 169 at Village- Ghursal, Tehsil - Gandhwani, Dist. Dhar (MP) by M/s Satguru Cements Pvt. Ltd, 601/1, Airen Heights, Scheme No. 54, PU-3, Opposite C-21 Mall, A.B. Road, Indore, MP

(1) This is a project pertaining to mining of Limestone in MLA of 6.773 ha. The activity is mentioned at S.N. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. The project is reported to be at a distance of more than 10 km from the interstate boundary; National park and sanctuary etc. and more than 250m from the forest boundary, thus it is not attracted by the general conditions and falls under category 'B-1" by virtue of its location and mining lease area. The case was forwarded by SEIAA to SEAC for appraisal of EIA for environment clearance for the project. It was submitted that this is a proposed mine having valid lease up to 2067 with production of 7600 Tonnes per annum.

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Member

(Rakesh K. Shrivastava)
Chairman

(2) It was reported by the PP that the lease area was granted to M/s Satguru Cement Pvt.Ltd. for 50 years upto 08.01.2067. This is a case of new mining lease. The scheme of mining with progressive mine closure plan has been approved by IBM, Jabalpur (L.No. 2962/ MP/Dhar/Limestone/MPLN/G-04/16-17 Jabalpur dtd. 17.12.2017).

(3) PP has produced an order of the Mineral Resources Deptt. GoMP dtd. 13-12-2016 in which after hearing the case the State Govt. has established that action be taken according to the latest circular 19-5-2015/12/1 dtd. 12.03.2015, which states that "all mining leases granted before the commencement of the Mines & Minerals (Development & Regulation) Amendment Ordinance 2015 shall be deemed to have been granted for a period of fifty years

(4) SEAC in its 316th SEAC meeting dtd. 19.06.2018 has recommended the case with 35 special conditions for issuance of EC.

(5) The case was then discussed in 491st SEIAA meeting dtd. 05.07.2018 and thereafter on scheduled date of presentation, PP/Consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail.

(6) The proposed plantation program was examined and it was found that 4000 trees shall be planted in an area of 2.00 ha during the lease period.

(7) It was noted that the water requirement is 13 KLD (10 KLD Dust Suppression + 02 KLD Green Belt + 01 KLD Drinking/ Domestic purpose), which shall be met by Tanker.

(8) It was noted that the Public Hearing was held on 06.02.2018 at mine site, Village - Ghursal, Tehsil - Gandhwani, Dist. - Dhar (MP) under the Chairmanship of ADM, Dhar. The issues raised during public hearing were of general nature and nothing adverse was found regarding degradation of the environment.

(9) After detailed discussions and perusal of recommendations of 316th SEAC meeting dtd. 19.06.2018, presentation made by the PP in SEIAA & SEAC, it was decided to accept the recommendation of SEAC for grant of prior EC to the project **subject to the following specific conditions:-**

I. Before commencing any mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of signage at 4 corners of lease area to avoid any untoward incident involving public and animals by the PP.

II. PP shall demarcate a barrier zone of 7.5 m as "no mining zone" in the periphery of mining lease area and developed a green belt.

III. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.

IV. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.

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V. PP will plant 3 years old 2000 trees saplings of suitable indigenous tree species during first year.

VI. PP should construct the Pakka road of 1.4 km from mine site to the main road and maintain it on regular basis. EE, RES, Dhar should also be informed about this. Plantation shall be carried out on either side of Pakka road and maintained by PP.

VII. Before commencing the mining activity, site demarcation should be done leaving 100 m. from the nalla/river as a "no mining zone" and it will be maintained as buffer zone. The demarcation should be done by the Revenue Officials in the presence of Mining Officer, Dhar

VIII. PP shall ensure that the mine waste water should not be discharge outside the mining lease area and may reused in the mining activities.

IX. No waste shall be dumped at the slopes of hillocks so that the waste generate through mining activity may not pollute the river passing in the north-east direction of the mining site.

X. Mining should be carried out in such a way that the overall slopes should be towards middle of the proposed the mining area.

XI. The over burden and waste will be stacked for five years and then simultaneously backfilled in the mined out area where plantation will be raised on it.

XII. PP shall ensure protection and conservation of existing trees falling under mining lease area and in no way these will be permitted to be cut / uprooted

XIII. PP shall ensure generation of employment opportunities to nearby Village on priority bases.

XIV. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.

XV. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.

XVI. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields

XVII. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.

XVIII. PP shall ensure the proper water supply arrangements for plantation especially in summer season.

XIX. PP shall adopt Ghursal village and prepare the development plan in consultation with Gram panchayat/Sarpanch under the guidance of District Collector.

XX. Under CSR activity in addition to the proposed activities following activities should be added.

g) Provide need based infrastructure at school of Ghursal, Borghata, Mohanpura.

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h) Provide Drip Irrigation facility at nearby villages.

i) Developed the play ground at Village Ghursal.

j) Provide drinking water facility at Village Rataitoal, Mohanpura, Chikli, Soliya, Karondiya and Borghata.

k) Sanitation activities including construction of individual toilets for local residents of nearby village in consultation with village Panchayat.

l) Installation of rainwater harvesting structure in nearby schools.

The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Administration and Grampanchayat.

XXI. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA..

Hence, Prior Environment Clearance for Limestone Mine (opencast other than fully mechanized method) in an area of 6.773 ha. for production capacity of 7600 TPA at Khasra no. 160, 162, 203, 167, 168, 169 at Village- Ghursal, Tehsil - Gandhwani, Dist. Dhar (MP) for the lease period to M/s Satguru Cement Pvt.Ltd. R/o 601/1 Airen Hegihts, Scheme No. 54, PU-3 Opposite C-21 Mall, A.B. Road Indore (MP) – 452001.

5. **Case No. 5632/2018** - Prior Environnental Clearance for Expansion in Production capacity of chemicals and drugs intermediates project at Plot No. 1, 2-2 A, Dewas Industrial Area - 02 A-B Road, Dewas (M.P) Total land area : 47 Acres (1,85,030 sq.m). Production Capcity : 6272 MT/annum by DGM NAVIN FLUORINE INTERNATIONAL LIMITED2nd Floor, Suntech Centre, 37/40, Subhash Road, Vile Parle-(East), Mumbai- 400057 Mob: 8347459700 E-mail – info@nfil.in EIA Consultant: M/s CES, Bhopal

1. This is case of Prior Environment Clearance for Expansion of Production Capacity of Manufacturing Unit of Chemicals and Drugs Intermediates. The concept of proposed project is to manufacture new products within the existing production facility. The unit is involved in Custom Research and Manufacturing Services (CRAMS) for various organics and specialty chemicals, drug and drug intermediates. It is 100% export oriented unit, supplying finished products to various international clients from pharmaceutical industry

2. As of now NFIL, Dewas site operates with two manufacturing plant cGMP-1 and cGMP-2. NFIL are manufacturing twenty numbers of products in cGMP-1 and twelve number of products in cGMP-2. NFIL intend to stop manufacturing of few products and introduce new one with equal or lower capacity based on changed market scenario.

Details of Existing Products:

Existing Products – cGMP-1		
Sr. No.	**Name of Product**	**Manufacturing capacity in Tons/Annum**

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Chairman

		Option-A	Option-B	Option-C
1	Ethyl benzyl aniline	1000	1000	0
2	Methyl benzyl aniline	120	70	0
3	Diethyl meta toludene	300	300	300
4	Phenyl trimethyl ammonium chloride	100	100	100
5	Mono ethyl ortho toluidine	0	200	200
6	Parazinnoic acid/pyrazzinoic ester	0	300	0
7	4,4, difluoro-benzophenone (2KT)	0	0	20
8	5-difluoromethoxy,2-mercapto benzimidazole	0	0	39
9	Biphenyl	0	0	18
10	Trifluoro methylacetate	0	0	50
11	Trifluoro ethylacetate	0	0	50
12	2-Methyl-4-isothiazolone-3- one HCl salt	10	10	25
13	6 Fluoro 3,4-Dihydro-2H-1-BenzoPyraan-2-Carbooxylicacid (Nebivolol Int)	3	2	2
14	Ethyl 2-cyclopropyl-4-(4-fluorophenyl)-quinolyl-3-carboxylate	4	10	25
15	1-Cyclopropyl-2-(2-fluorophenyl)-ethanone	4	5	50
16	6-Fluoro-3-(4-peperodinyl)1,2-benzisoxazole	2	10	20
17	Xtalflour	750	750	750
18	Hexa fluroisopropanol	200	100	400
19	3,5 difluro benzene thiol	2	15	20
20	4-Methyl-2(2,2,2-Trifluoro-1,1-Dimethyl Pyridine	2	10	20

Existing Products – cGMP-2		
Sr. No.	Name of Product	Manufacturing capacity in Tons/Annum
1	Aceto Sulfonamide	260
2	Aliphatic Haloester	260
3	Fluoroamino benzene	150
4	Fluoroamino cyclobutene	140
5	Haloamino pyridine acid	80
6	Halopyrimidine	120
7	Piperazine	290
8	Piperidine/carbamate	260
9	Pyrolidine	180
10	Sulphur Tetrafluoride	650
11	Thio, Oxazole	150
12	Sodium Chloride	850

3. The project involves the production of various types of chemicals and drug intermediate with proposed capacity of 6272 TPA including following products:-

New Products Proposed for cGMP-1, 2, 3, 4 and cGMP-5.

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Member Secretary

(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman

Sr. No.	New Proposed product	Production Capacity MTPA
1	Benzene trifluorides	250
2	Cycloalkanes	200
3	Pyrazole & Pyrimidines	300
4	Aromatic, aliphatic sulfonyl chlorides & sulphonamides	200
5	Fluoro alkanes & aromatics	280
6	Halo Pyridines	250
7	Aliphatic, alicyclic & aromatic nitriles	250
8	Furans, pyranes	100
9	Aziridines, azirines, azetidines, azetes, diazetines, diazete	120
10	Pyrrolidines, pyrroles, pyrazolidines, & imidazolines	150
11	Aromatic and Fused Aromatics	120
12	Acitamidines	140
13	Indoles, thiozoles & oxazoles.	130
14	Aldehyde & hemiacetal	220
15	Aliphatic, aromatic amines and their salts	160
16	Alcohols, aldeyhdes, acids & ketones	230
17	Boronic acids & boronate esters	120
18	Quinolines	180
19	Alkanes, alkenes, alkynes	250
20	Amines, enamines and theire salts	240
21	Cycloalkenes, cycloalkynes	280
22	Thiazoles, isothiazoles, thiazoles & Thio-oxazoles	260
23	Substituted Imidazolines	120
24	Trioxanes, dioxolanes	450
25	Substituted morpholines	120
26	Sulphur Tetrafluoride	282
27	Xtalfluor	350
28	Aromatic & aliphatic Oximes	140
29	Diazoles, triazoles	120
30	Thiazolidines	120
31	Piperazines	140
	Total	**6272 Mt/Annum**

The existing cGMP-1 and cGMP-2 are multipurpose production line hence any kind of product category indicated above can be produced without any changes in equipment or other control parameters. cGMP Plant-3, cGMP Plant-4 and cGMP Plant-5 proposed in place of old manufacturing block will be also multipurpose and hence the listed product can be produced there, too without any changes.

4. The major facilities involved are Boiler, MEE, reactors, Cooling Towers, Effluent Treatment Plant (ETP), and R.O Plants etc. Facilities like administrative office, parking and greenbelt/plantation also developed as per plan/requirement.

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5. The project is covered under 5 (f) category B of the Schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533(E), dtd. September 14, 2006 and its amendments.

6. The case was discussed in SEAC meetings 307th dated 23.02.18 and 316th dtd. 19.06.2018 and recommended for EC with 52 specific conditions.

7. After recommendation the case was discussed in 491st SEIAA meeting dtd. 05.07.18 and decided to PP may call for presentation.

8. After deliberation the case was discussed in depth and it is noted that :-

   i. PP has submitted copy of ammended lease deed dated 06.12.2013 between MD, Audyogik Kendria Vikas Nigam (Ujjain) LTD, Ujjain and M/s Navin Flourine International Ltd. through authorized signatory Shri Anil Birai an area of 1,85,030 sq.m.(47 Acres).

   ii. Total water requirement for the project will be approx. 485 KLD which will be sourced from Welspun. PP has submitted consent letter (dtd.28.12.17) from WELSPUN Enterprises, Industrial Area Dewas for supply of 600KLD water.

   iii. Total waste water generation will be 373 KL/day which will be treated in ETP. The capacity of existing ETP is 45 KL/day for cGMP-1 and cGMP-2 and balance 290 KLD shall be installed phase wise to treat additional effluent before commissioning of cGMP Plant-3, cGMP Plant-4 and cGMP Plant-5.

   Multiple Effect Evaporator, ATFD and stripper column with treatment capacity 15 KL/Day have been installed and will be expanded phase wise to treat additional 107 KL/Day for upcoming project. The treated water will be used in cooling towers, floor washing and gardening/green belt.RO and MEE have been installed to maintain zero discharge condition. Various mitigation measures for water management and wastewater management are mentioned below:

   - Storm water drainage system has been developed for existing unit and shall be maintained preciously to prevent the flow of silt and other contaminant outside of the site and towards river side
   - Blow downs from cooling towers, boiler, scrubber , Softener regeneration, Vacuum pump approx 229 KL will go to ETP
   - 38 KLD high COD high TDS wastewater will be sent to MEE. Remaining 335 KLD out of 373 KLD will be treated in ETP.
   - A drain along the boundary wall shall be made, which will be connected proposed settling tank/water reservoir to protect the flow of contaminant towards nearby river.
   - Regular monitoring and analysis of upstream and downstream of River Nagdhamman is proposed .
   - Being a chemical based plant, it is proposed to harvest the rain water only form the building roof top.
   - No treated / untreated effluent would be discharged on land in Industrial premises or study area.

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- The Domestic waste will be treated in a septic tanks and soak pit system.
- The entire trade effluent will be divided into two streams i.e. Stream-I (high concentrated streams) and Stream-II (low concentrated stream). Both the streams will be treated in well-designed ETP, RO and MEE

iv. Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016).PP has submitted membership of Ramky Enviro Engineers Ltd. for disposal of hazardous waste.

v. To mitigate the impact of pollutants from boiler stack, diesel generator sets, sources of fugitive emission and vehicular traffic during the operational phase of the site, following measures are proposed for implementation:

- Height of all the stacks will be as per statutory requirement. All the stacks will have Stack Monitoring Facility (SMF) consisting of sampling port-hole, platform and access ladder.
- Bag Filters and venturi scrubber are proposed as per the requirement and nature of pollutant.
- Online monitoring system for the pollutants from the stacks with an arrangement to reflect gaseous emission parameters on company's server shall be provided.
- Transport vehicles will be properly maintained to reduce air emissions. Vehicles will be periodically checked for pollutant emissions against stipulated norms.
- Online continuous monitoring system shall be provided for stack of boiler.
- Ambient air quality shall be regularly monitored to ensure that ambient air quality shall be met the limit at all the time.
- Development of green belt in time bound manner in consultation with forest department.
- Provision of close enclosure for all the loading & unloading operations, if possible.
- Bag filter shall be provided at proposed boiler to control the emission below 150 mg per cubic meter.
- Alkaline Scrubber will be attached to the reactor vent to control process SO2 emission.
- In order to control the fugitive dust emissions due to transportation activity, all the operational roads within the plant area shall be asphalted.

vi. Power requirement will be sourced from existing line of 'Madhya Pradesh Paschim Kshetra Vidyut Veteran Company Ltd (MPPKVVCL)'. The company is already authorized to use power load of 1000 KVA and after expansion total requirement will be 4000 KVA. In case of power failure, D.G. set (650 KVA & 750 kVA- 3 no.) will be used as a backup power source.

(P Narahari)	(R.K. Sharma)	(Rakesh K. Shrivastava)
Member Secretary	Member	Chairman

vii. Green belt over an area of 19.33 acres area has already been developed with 5000 number of trees and further 3.86 acres of area is proposed to be developed with 2000 number of trees around periphery of the unit and in open space.

viii. Under the CSR PP has proposed OPD services through qualified staff and distribution of Medicines in nearby villages,. Provisions for Books, Bag and other utility items for Tribe's children, motivating for be part of education, toilets to the beneficiary who are not able to afford the same, Supporting the cause of Health Care Services to Ruler India – focusing the Central India, Creating sources for clean drinking water (RO, cleaning systems), supporting to resource conservation / enhancement initiatives activities with budgetary provision of 62 lacs.

ix. PP has included disaster management plan, fire fighting plan on-site, off-site emergency plan in the EIA report.

x. The total cost of the project is Existing : 95.44 Crore and Proposed : 310 Crores

It is decided to accept the recommendations of 316th SEAC meeting dtd. 19.06.2018 with 52 conditions and grant Prior Environmental Clearance for proposed expansion in Production capacity of chemicals and drugs intermediates project at Plot No. 1, 2-2 A, Dewas Industrial Area - 02 A-B Road, Dewas (M.P) Total land area : 47 Acres (1,85,030 sq.m). Production Capcity : 6272 MT/annum by DGM NAVIN FLUORINE INTERNATIONAL LIMITED2nd Floor, Suntech Centre, 37/40, Subhash Road, Vile Parle-(East), Mumbai- 400057, subject to the following specific conditions:-

1. The entire demand of fresh water should be met through WELL SPUN water supply and there is no extraction of ground water.
2. **Waste water Management:**
   (a) PP should maintain zero discharge from the Industry as proposed.
   (b) Separation of High & Low COD values effluent for better management of process effluent.
   (c) RO treated water will be recycle for the process and High COD effluent generation shall be completely evaporated with help of MEE so as to achieve zero discharge.
   (d) There shall be no industrial effluent discharge from the unit.
3. **For Air Pollution:**
   (a) PP should ensure air pollution control measures and stack height as proposed in the EIA/ EMP.
   (b) The performance of air pollution control system should be regularly monitored and maintained.
   (c) PP should ensure regular stack monitoring & ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.
   (d) In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by

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Member

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Chairman

providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator/bag filters and water sprinkling system.

(e) Dust suppression system including water sprinkler system/ foaming arrangement shall be provided at loading and unloading areas to control dust emission.

(f) Fugitive emission in the work zone environment, product, raw material storage areas etc. shall be regularly monitored.

(g) High efficient four stage acid/alkali scrubber should be provided.

(h) Transportation of raw material and finished goods should be carried out in covered trucks.

(i) For control of fugitive emission and VOCs following steps should be followed:-

- Chilled brine circulation system shall be provided and it should be ensured that the solvent recovery efficiency is not be less than 98%.
- Reactor and solvent handling pump shall be provided with mechanical seal to prevent leakage.
- Closed handling system should be provided for chemicals.
- System of leak detection and repair of pump/pipeline should be based on preventive maintenance.
- Solvent shall be taken from underground storage tank to reactor through closed pipeline. Storage tank shall be vented through trap receiver and condenser operated on chilled water.

4. **Hazardous Waste:**

(a) PP should ensure disposal of hazardous waste regularly and there should be no dumping of these materials in the premises/outside.

(b) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.

(c) PP should obtain renewal of authorization regularly from MPPCB for collection storage and disposal of hazardous waste (Management, Handling & Trans Boundary Movement) Rules 2008 and its amendments. Membership of the TSDF should be obtained for hazardous waste disposal.

(d) Hazardous chemicals should be stored in sealed tanks, drums etc. Flame arrestors shall be provided on tanks. To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.

(e) PP should provide RCC layer and double layered HDPE lining for primary and secondary leachate collection.

(f) PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, and Risk management plan before commencing the operation of the unit.

5. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.

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6. **Green Belt:**
   (a) PP should ensure to maintain the developed trees existing in the site and it will be not to allow cutting.
   (b) Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam, Kachnaar etc. three years old saplings should be used for new plantation to reduce the mortality of plants.
   (c) Every effort should be made to protect the existing trees on the plot.
   (d) Pollution control trees should be planted in the green belt area PP should avoid to plant fruity trees in the project area.
7. PP should ensure the implementation of CSR activities on regular basis in consultation with the Gram Panchayat of the respective villages & also adopt nearby villages for skill development. RO should be installed for drinking water facilities in near by villages.
8. Rain water harvesting system should be done only in roof area of the unit.

6. **Case No 5568 /2017 -** Prior Environnemental Clearance for Capacity Expansion project in Manufacturing of 150000 TPA of TMT Bar 200000 TPA of Billets 50000 TPA of Steel structure to Billets: 360000 TPA, TMT Bars : 300000 TPA, Steel Structure : 60000 TPA at Plot No. 44 & 47, AB Road, Industrial Area Banmore, Dist. Morena, MP Land Area: Existing: 60704 sq.m. After expansion: 82751.16 sq.m. by Director, M/s Ambashaktiudyog Limited through Plot No. 44 & 47, AB Road, Industrial Area Banmore, Dist. Morena, MP,- 476444, Mob no.- 9425112057 Email :udyog @ ambashakti.com Envt. Consultant – M/s CES, Bhopal

(1) This is a project for proposed expansion in manufacturing of tmt bars, billets and steel structures of an existing unit, Billets - 2,00,000 TPA,TMT Bars- 150000 TPA and Steel Structure - 50,000 TPA Proposed Capacity Billets - 3,60,000 TPA,TMT Bars- 3,00,000 TPA and Steel Structure - 60,000 TPA .The total land area of the project is 60704 sq.mt. + 22047.16 sq.mt - 82751.16 sq.m.

(2) Earlier the case was registered 2091/2014 and EC was issued by MPSEIAA vide letter dtd. 14.07.15 for which PP has submitted compliance report certified by Regional office MoEF & CC for the earlier project in which it is mentioned that " the implementation of the environmental safeguards are found satisfactory and some compliance needs improvements which are in progress.

(3) This is a rolling mill project. All non – toxic secondary metallurgical processing industries manufacturing >5000 tones/annum metal components are covered under the EIA Notification 2006 as amended 2009 and are mentioned at SN 3(a), B. Hence these projects are required to obtain prior EC before establishment.

(4) There is no inter-state boundary within 05 km (Project Director, NHAI, Gwalior letter dtd 07.10.14) and no Wildlife Sanctuaries, National Parks, and Tiger Reserves within 05 km of the boundary (DFO letter dtd. 14.11.14), hence, general conditions not attracted.

(5) The ToR was issued to PP by SEAC (dtd 24.06.2017) and EIA was submitted by PP (dtd 17.05.2018).

(6) The case was discussed in 293rd SEAC dtd.17.06.17 & 316th meeting dtd. 19.06.2018 and recommended for grant of prior EC subject to 38 special conditions.

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(7) After recommendation the case was discussed in 491st SEIAA meeting dtd. 05.07.18 and decided to PP may call for presentation.

(8) After deliberation the case was discussed in depth and it is noted that :-

i. PP has submitted copy of registered amended lease deed dated 04.07.2014 between MD, Industrial Infrastructure Development Corporation (Gwalior) and M/s Ambashakti Udyog Limited for plot no. 44 & 47 Industrial Area, Banmore, Tehsil - Morena, District-Morena, for the period of 99 years (w.e.f. 04.08.1980 to 03.08.2079).

ii. The project is located in notified Industrial Growth Centre – Banmore, Distt, - Morena (M.P.) approved by AKVN hence exempted for public hearing as per MoEF, GoI OM dtd 10.12.2014 issued under EIA notification, 2006.

iii. Total water requirement for operation phase of the existing and proposed project is estimated at 600 KLD and shall be received from the AKVN supply. The source of water supply for the project is MPAKVN (letter dtd. 12.02.15).

iv. The water shall be required only for cooling and domestic purpose hence no industrial effluent shall be discharged. Thus the production process is zero discharge. Following are the EMP planned for existing and proposed activities of the plant

- Being a secondary metallurgical unit, potential of water pollution is not envisaged at larger level, however storm water drainage system need to be taken care preciously to prevent the flow of silt and other contaminant towards nalla, river outside of the site.
- The TDS level of softner reject shall be checked regularly as being done for existing plant, and if found high shall be used for quenching purposes, otherwise wastewater shall be treated in neutralization tank and shall be taken to STP plant proposed for treatment of domestic effluent.
- The raw water requirement shall be optimized. The COC in cooling system shall be maximized (such as COC=5 to 7) depending upon the TDS of the supply water.
- Utilization of treated domestic wastewater in toilet flushing, greenbelt development and dust suppression;
- A drain along the boundary wall shall be made , which will join the proposed settling tank/water tanks to protect the flow of contaminant towards nearby land
- Regular monitoring and analysis of upstream and downstream of River Sank wrt to industry shall be continue .
- Effective and strict implementation of recommendation of rain water harvesting measures.. Water harvesting structure have been constructed for harvesting of water at the rate of 25480 cum water per annum. Therefore installation of pizometers is recommended for ground water table study.
- RCC dyke/platform should be constructed to avoid leachate possibility.

v. Air emissions from melting furnaces are particulates, carbon monoxide, sulfur dioxide, nitrogen oxides, and small quantities of chlorides and fluorides.

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During Tapping: Emission consists of iron oxides in addition to oxide fumes from alloys to the ladle and during pouring: particulate emissions from pouring consist of fumes, CO, VOCs, and particulates from the mold and core materials when contacted by the molten steel. As the mold cools, emissions continue. Emissions from pouring are usually uncontrolled. Following measures are proposed to mitigate negative impact of operation phase of the project on the surrounding air environment

- Electrically operated Induction furnace is proposed, hence no pollution is envisaged from combustion of the fuel.
- Installation of secondary control equipment for emissions
- PTZ camara has also been installed for monitoring of emission and discharge of effluent.
- Regular maintenance of exhausts, chimney and other abatement equipments
- Provision of spark arrestor, cooling circuit and bag filter for transfer points to control and capture dust emission.
- Provision of 30 mt height for the stack for additional furnace and will have stack monitoring facility (SMF) consisting of sampling port-hole, platform and access ladder. The outlet dust emission from the exhaust flue gases will be <50 mg/Nm^3.
- The primary fume is extracted from the electric induction furnace through duct by the exhaust fan(s) of the abatement plant. The essential requirement of electric induction furnace is to control the primary fume. The sequence in which vent and bleeder valves open is important which need attention.
- Measures for minimization of dust and fume generated by discharging slag from the electric Induction furnace into slag pots for CCM.
- Development of Greenbelt (5) m all around the periphery of the plant to arrest the fugitive emissions.

vi. Solid waste generated during construction phase will be suitably reused for leveling the site and laying of internal roads. The top soil will be preserved and used for landscaping purpose. The solid waste generated from the process namely plant dust, mill scale, papers etc (5.0 TPA). shall be sold to local vendor. The Iron Slag (18000 TPA) generated from process will be reused in furnace and in civil work & bricks manufacturing. The spent resin from softener plant and spent oil from DG sets will be sold to MPPCB authorized vendors/agencies.

vii. The plant water management system is designed to minimize the potential for storm water contamination occurring at the site. This will be achieved by incorporating the following features into the storm water management system:

- Run-off from upstream areas will be diverted to proposed water body within the premises through storm water drain around the plant site.

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- The quantity of contaminated run-off generated will be minimized by diverting run-off from areas external to the plant to storm water discharge points;
- Hazardous material and fuel storage areas will be bounded and drains will be provided to around these facilities to prevent entering of run-off water; and
- Run-off from area external to process areas of the plant will be contained within a storage system.
- Regular inspection and cleaning of storm drains.

viii. PP has proposed to provide 08 nos of recharging pits for recharging of ground water.

ix. About (16600+3560 = 20160 sq mt) area i.e. 33 % of plant land area shall be developed as green belt at plant boundaries, road sides, around offices & buildings and stretch of open lands within 05 year time.

x. Under CSR activities PP has proposed Construction of toilets to stop open defecation at Pawaya, Sitapur, Sewa, Banmore, Bhepura, Khathane ka pura. Phulpura, Rain water harvesting in the villages Pawaya, Sitapur, Sewa, Banmore, Bhepura, Khathane ka pura. Phulpura., Promotion of advanced agriculture practices and water efficient farming practices etc with budgetary provision of Rs. 110 lacs.

It is decided to accept the recommendations of 316th SEAC meeting dtd. 19.06.2018 with 52 special conditions and grant Prior Environmental Clearance for proposed Capacity Expansion project in Manufacturing of 150000 TPA of TMT Bar 200000 TPA of Billets 50000 TPA of Steel structure to Billets: 360000 TPA, TMT Bars : 300000 TPA, Steel Structure : 60000 TPA at Plot No. 44 & 47, AB Road, Industrial Area Banmore, Dist. Morena, MP Land Area: Existing: 60704 sq.m. After expansion: 82751.16 sq.m. by Director, M/s Ambashaktiudyog Limited through Plot No. 44 & 47, AB Road, Industrial Area Banmore, Dist. Morena, MP,- 476444,subject to the following specific conditions:-

(1) The entire demand of fresh water should be met through AKVN supply and there should be no extraction of ground water.

(2) PP should ensure zero waste water discharge from the process.

(3) PP should ensure air pollution control measure as proposed in EMP and should conduct regular monitoring of stack emissions and ambient air as per MPPCB / CPCB norms. For regular monitoring of air emission PP should installed ambient air monitoring stations.

(4) PP should ensure the disposal of hazardous waste through authorized agencies and obtained consents from competent Authorities.

(5) PP should ensure the roof top area of plant area including raw material storage area, finished goods area, and office building area should be used for rain water harvesting for ground water recharge. The concrete road of the site area should be regularly cleaned.

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(6) PP should obtain NOC for fire and approval for onsite offsite emergency plan, health and safety plan from the Competent Authorities.

(7) Under green area development PP should ensure : -

(a) Plantation in the factory premises within the specifying of 2m x 2m, an area of 8000 sqm shall be covered with plantation / gardening as proposed. Subject to minimum of 33% of the total area of the project with budgetary provision of Rs 5.0 lakh.

(b) Plantation of the trees of indigenous local varieties like Neem, Peepal, Kadam, Karnj, Kachnaar etc.

(c) Periphery Plantation should be completed within one year within the plant premises.

(d) Every effort should be made to protect the existing trees on the plot.

(8) PP should ensure implementation of CSR activity of Rs. 110 lakh in consultation with District Collector/gram Panchyat of nearby villages..

(9) PP should ensure all the raw material including scrap, coal, slag, sludge and oily waste shall be stored separately in designated place.

(10) Monthly monitoring should be done of all the environmental parameters and Environmental Management Cell meeting should be carried out every month.

7. **Case No. 5660/2018 -** Prior Environmental Clearance for proposed increase in production of Polyester Resin through debottlenecking & optimization from 80000 to 100000 of plant parameters at Indore Special Economic Zone, Phase-I Sec-III, Plot no. C- 1 to 8, C -21 to 30, D- 13 to 18, D- 25 to 32, and 41, 41A, 42,43 & 54, 55, 56 & 56A Village & Tehsil Pithampur District Dhar (M. P) land area : Existing : 16.9 Acres (68592 sq.m) by M/s SRF Limited through Mr. Manoj Jain (Plant Head) E-mail : manoj.jain@srf.com Mobile No. 09630040880

(1) The unit has been started its operations since Oct 2004 for manufacturing of polyester film (64123 MTPA), polyester Resin (80000 MTPA), Metallized Film (12000 MT), Holographic Film (1200 MT) with addition of solid Fuel Heater (pet coke/coal) 8 million kcal/hr, Offline coating Machine (3600 TPA).

(2) The earlier environment clearance accorded by SEIAA vide no 1639 dated 08.02.2018.

(3) Proposed increase in production of Polyester Resin through debottlenecking & optimization of plant parameters.

(4) Production of polyester resin is proposed to be increased from 80,000 TPA to 1,00,000 TPA through optimizing of plant parameters and debottlenecking of plant and machineries as SRF has put up additional capacities of BOPET at another location at DTA very close to the existing location at SEZ. Hence increase in production in Resin is required to make the existing resin plant capable to supply raw material to the new line to the extent possible. The other products shall remain same as per the given environment clearance.

(5) PP has proposed as follows:

EXISTING & PROPOSED PRODUCTION CAPACITIES

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Sr. No	Name of product	EC Granted for following capacity	Additional capacity	Total proposed Capacity
1	Polyester Resin	80,000 MPTA	20,000 MTPA	1,00,000 MTPA

(6) The proposed project is covered under 5 (f) category (B) of the schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. 14.09.2006 and its amendments, hence is required to obtain prior EC.

(7) There is no interstate boundary within 05 km and no National Park / Sanctuary within the 5 km of the project area hence the general conditions are not attracted.

(8) The project is located in notified Industrial area Pithampur, District Dhar (M.P), approved by AKVN hence as per GoI, MoEF OM dtd 10.12.14 Public hearing is exempted.

(9) The case was discussed in SEAC meetings 310 dated 24.03.18 and 316th dtd.19.06.13 and recommended for EC with 24 specific conditions.

(10) The case was also discussed in 491st SEIAA meeting dtd. 05.07.2018, and decided to PP may call for presentation.

(11) After deliberation the case was discussed in depth and it is noted that :-

i. The total land area of the project is 685920 sq. m. and owned by Madhya Pradesh Audyogik Vikas Nigam (Indore) and allotted to M/s SRF Ltd. and approval from Indore SEZ vide letter no. 546 dtd.20.01.05 and letter no. 13755 dated 19.11.14. The area is notified by Govt. of India, Ministry of Commerce and Industry as a Special Economic Zone (SEZ) as industrial area.

ii. The required volume of Water will be sourced from AKVN. The total fresh water requirement for the existing project will be approx. 589.5 KLD whereas after debottlenecking of the project, it will reduce to 580.5 KLD as water is generated as by product during the course of manufacturing of polyester resin.

iii. Zero Liquid Discharge (ZLD) will be complying. No Change is proposed as there will be 10 KLD more water generation as byproduct which will be recycled post treatment. Wastewater generation from the process is estimated as 106 + 63.5 KLD m^3/d and will be treated in ETP of 130 m^3/d capacity. Whereas domestic waste water of 106 KLD will be sent to common STP. No additional waste water generation is expected from the optimizing the plant parameters for increase in production capacity in Resin segment

iv. For control of air pollution PP has proposed to provide suitable stack height of 30 m for DG set and 40 m for FO/Gas based Thermic Fluid Heaters. Ambient air quality monitoring for PM_{10}, $PM_{2.5}$, SO_2, NOx, CO, NH_3 and VOCs as stipulated by MPPCB / CPCB shall be done on regular basis. Regular stack monitoring, Maintenance of scrubbers & condensers will be also done on regular basis.

v. To reduce the fugitive emissions PP has proposed all loading and unloading operations will be carried out in covered tarpaulin sheet and controlled conditions, air borne dust will be controlled through sprinkling of water at

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places, where there is possibility of dust generation and proper ventilation system will be provided in the process area. For the safety of the workers, personal protective equipment (PPE) like hand gloves, helmets, safety shoes, goggles, aprons etc. will be provided.

vi. The solid wastes generation from the plant is envisaged from process i.e. polyester waste during the manufacturing of film. No increase is expected as proposal is for increase in capacity in resin section. It will be sent to recycling unit and reused again. The waste from the recycling unit will be used widely for making polyester yarn, toys and molding process for making various items, so the polyester waste will be sold to the manufacturing of yarn and toys etc.

vii. For firefighting measure, PP has proposed to provide hydrant system, fire detection and alarm system and different types of fire extinguishers and fire water storage facilities.

viii. Total power requirement will be 178075 units per day & 10000 KVA sourced from Madhya Pradesh Audyogik Kendra Vikas Nigam (Indore). PP has proposed DG sets of total capacity 5690 KVA in standby mode.

ix. PP has proposed provision for rain water harvesting by creating rain water harvesting points of 150 ft. The rain water collected from the building roof will be sent to these points for recharging ground water. The storm water drains will be created and storm water from the entire plot will be collected through network of storm drains.

x. PP has proposed Out of total available land area 16.9 acres, green belt coverage is 5.58 acres which is around 34% existing planted trees 5196, additional 150 trees are proposed in 2017-18.

xi. Under CSR activities PP has proposed Construction of toilets to stop open defecation at Tigriya Chhota, Anwatpura, Nagda ,Godaisha Pipalya, Mendki ,Balgarh (Balaji Nagar) Provision of supply of drinking water or payment of bills of water supply of villages, creating better self employment ventures through inducing skill among the youths as per the requirements of the distillery unit, Rain water harvesting in the villages Tigriya Chhota, Anwatpura, Nagda ,Godaisha Pipalya, Mendki ,Balgarh (Balaji Nagar) etc.with budgetary provision of Rs.50 lacs per year

xii. Out of total available land area 16.9 acres, green belt coverage is 5.58 Acres which is around 34 %, existing planted trees 5196..

It is decided to accept the recommendations of 316th SEAC meeting dtd. 19.06.2018 with 52 special conditions and grant Prior Environmental Clearance for proposed increase in production of Polyester Resin through debottlenecking & optimization from 80000 to 100000 of plant parameters at Indore Special Economic Zone, Phase-I Sec-III, Plot no. C- 1 to 8, C -21 to 30, D- 13 to 18, D- 25 to 32, and 41, 41A, 42,43 & 54, 55, 56 & 56A Village & Tehsil Pithampur District Dhar (M. P) land area : Existing : 16.9 Acres,subject to the following specific conditions:-

1. The entire demand of fresh water should be met through MPAKVN (Indore) and there should be no extraction of ground water. Efforts should be made to reduce

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the fresh water requirement by adopting 3 R's(Reduce, Reuse and Recycle) concept.

2. PP should ensure "Zero effluent discharge" from the unit by 100% recycling.

3. **For Air Pollution:**

   (a) PP should ensure install Bag house in stack for control of air pollution and stack height as proposed in the EIA/ EMP.

   (b) The performance of air pollution control system should be regularly monitored and maintained.

   (c) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.

   (d) In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator/bag filters and water sprinkling system.

   (e) Dust suppression system including water sprinkler system/ fogging arrangement shall be provided at loading and unloading areas to control dust emission.

   (f) Fugitive emission in the work zone environment, product, raw material storage areas etc. shall be regularly monitored.

   (g) Transportation of raw material and finished goods should be carried out in covered trucks.

   (h) Adequate stack height shall be provided to coal fire boiler to control the air emission within stipulated by CPCB/MPPCB. Low NOx burner shall be provided in Captive co-generation Power plant to reduce the NOx emission.

4. **Hazardous Waste Management:**

   (a) As proposed above, PP should ensure disposal of hazardous waste regularly and there should be no dumping of these materials in the premises/outside.

   (b) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.

   (c) PP should obtain Renewal of authorization regularly from MPPCB for collection storage and disposal of hazardous waste (Management, Handling & Transboundary Movement) Rules 2008 and its amendments. Membership of the TSDF should be obtain for hazardous waste disposal.

   (d) Hazardous chemicals should be stored in sealed tanks, drums etc. Flame arrestors shall be provided on tanks. To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.

   (e) Ensure the transportation of raw / finished material only by covered vehicles.

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(f) Ensure the storage and handling of all the chemicals in a proper and safe manner to avoid any spillages and also to prevent runoff contamination in monsoon.

(g) All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals.

5. **Green Belt Development:**

(a) PP should ensure plantation as proposed in an area of 5.58 acres by planting additional plants also.

(b) Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam and Kachnaar.

(c) Every effort should be made to protect the existing trees on the plot.

(d) Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.

6. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.

7. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.

8. Total quantity of runoff water generated and green belt area should be collected in underground tank & used for process in plant to minimize fresh water requirement.

9. Double containment system shall be provided for all waste transport vehicles to avoid spillage. The spillage shall be cleared immediately.

10. Vehicles should prominently display complaint numbers for use of public as well as antidotes to any toxic waste.

11. Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

12. PP should ensure to harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and used same water for process activities of the project to conserve fresh water.

13. Dedicated parking facility for loading and unloading of material should be provided in the factory premises.

14. PP should ensure to undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.

8. **Case No. – 5694/2018** - Prior Environmental Clearance for **Sand Deposit** (Manual method) in an area of 12.00 Ha. for production capacity of 1,70,910 cum per annum at Khasra no. 1936 at Village- Gotara, Tehsil - Kusmi, Dist. Sidhi (MP) by Sarpanch/Sachiv, Gram Panchayat Bhavan, Village - Gotara, Tehsil - Kusmi, Dist. Sidhi, MP – 486675.

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This case was discussed in 492nd SEIAA meeting dtd. 07.07.2018 and it was recorded that.....

"This case was recommended in 317th SEAC meeting dated 20.06.18, PP may be invited for clarification."

After detailed discussions and perusal of recommendations of 317th SEAC dtd. 20.06.2018, presentation made by the PP in SEIAA, it was decided to accept the recommendation of SEAC for grant of prior EC to the project subject to the following specific conditions:-

(i). The production capacity shall be limited to the quantity approved by SEAC.

(ii). No in-stream mining shall be allowed.

(iii). The depth of the pit as per Approved Mining Plan.

(iv). No in-stream mining shall be allowed. No ramp will be allowed within the river basin to transport sand to the other bank. Transportation will be allowed on the bank side where the mineral is being excavated.

(v). The entire lease area should be properly fenced and boundary stones marked at the site.

(vi). PP should ensure implementation of need based CSR activities for the local peoples.

(vii). No Transportation from the dense populated area.

(viii). Plantation shall be raised both side of the approach road with tree guard. Plantation of peepal, neem, drumstic plants on priority shall be ensured by PP

(ix). Water sprinkling will be done on the approach road on the regular basis.

Hence, Prior Environmental Clearance is granted for Sand Deposit (Manual method) in an area of 12.00 Ha. for production capacity of 1,70,910 cum per annum at Khasra no. 1936 at Village- Gotara, Tehsil - Kusmi, Dist. Sidhi (MP) for the lease period to Sarpanch/Sachiv, Gram Panchayat Bhavan, Village - Gotara, Tehsil - Kusmi, Dist. Sidhi, MP – 486675.

9. **Case No. – 5705/2018** - Prior Environmental Clearance for **Sand Deposit** (Manual method) in an area of 9.70 Ha. for production capacity of 1,74,600 cum per annum at Khasra no. 199 at Village- Barpan, Tehsil - Bahri, Dist. Sidhi (MP) by Sarpanch/Sachiv, Gram Panchayat Bharuhi, Tehsil - Bahri, Dist. Sidhi, MP.

This case was discussed in 492nd SEIAA meeting dtd. 07.07.2018 and it was recorded that.....

"This case was recommended in 318th SEAC meeting dated 21.06.18, PP may be invited for clarification."

After detailed discussions and perusal of recommendations of 318th SEAC dtd. 21.06.2018, presentation made by the PP in SEIAA, it was decided to accept the recommendation of SEAC for grant of prior EC to the project subject to the following specific conditions:-

(i). The production capacity shall be limited to the quantity approved by SEAC.

(P Narahari)
Member Secretary

(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman

(ii). No in-stream mining shall be allowed.

(iii). The depth of the pit as per Approved Mining Plan.

(iv). No in-stream mining shall be allowed. No ramp will be allowed within the river basin to transport sand to the other bank. Transportation will be allowed on the bank side where the mineral is being excavated.

(v). The entire lease area should be properly fenced and boundary stones marked at the site.

(vi). PP should ensure implementation of need based CSR activities for the local peoples.

(vii). Transportation from the dense populated area will be avoided as committed by PP.

(viii). Plantation shall be raised both side of the approach road with tree guard. Plantation of peepal, neem, drumstic plants on priority shall be ensured by PP

(ix). Water sprinkling will be done on the approach road on the regular basis.

Hence, Prior Environmental Clearance is granted for Sand Deposit (Manual method) in an area of 9.70 Ha. for production capacity of 1,74,600 cum per annum at Khasra no. 199 at Village- Barpan, Tehsil - Bahri, Dist. Sidhi (MP) for the lease period to Sarpanch/Sachiv, Gram Panchayat Bharuhi, Tehsil - Bahri, Dist. Sidhi, MP.

Meeting ended with a vote of thanks to the Chair.

(P. Narahari)
Member Secretary

(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman