

## State Expert Appraisal Committee, Bihar

Ref. No- 222.

Patna- 23, Date- 01/10/18.

To,

1. Shri Murarijee Mishra  
Vijay Nagar, Near Temple,  
Rukunpura, Patna - 800014.
2. Dr. Samir Kumar Sinha,  
Wildlife Trust of India,  
F-13, Sector - 8, Noida,  
Uttar Pradesh - 201301.
3. Dr. Amar Nath Verma,  
10192 ATS Advantage, Ahinsha Khand - 1,  
Near Habitat Centre, Indirapuram,  
Ghaziabad - 201014.
4. Dr. Shardendu,  
Department of Botany,  
Patna Science College, Patna.
5. Shri Vijay Kumar Sinha, IFS (Retd.)  
Prasad Bhawan, R. K. Path,  
Pirmohani, Kadamkuan, Patna - 800 003.
6. Dr. Birendra Prasad.  
Department of Botany,  
Patna University,  
Patna - 800 005
7. Dr. Sudhanshu Kumar.  
C - 3 /1401, Puri Pranayama  
Sector 82 and 85,  
Faridabad - 121 007 (Haryana)
8. Dr. Chandan Bhar.  
Professor, Department of Management Studies,  
Indian Institute of Technology (Indian School of Mines),  
Dhanbad - 826 004 (Jharkhand)

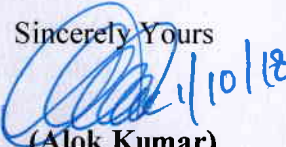
9. Dr. Ram Madhab Bhattacharjee  
Professor, Department of Management Studies,  
Indian Institute of Technology (Indian School of Mines),  
Dhanbad - 826 004 (Jharkhand)
10. Dr. Rakesh Kumar Singh  
G - 600, 12th Street, GAMA - II,  
Greater Noida (UP) - 201 310
11. Dr. Dilip Kumar Paul,  
Assistant Professor and Course Coordinator, M.Sc.  
Environment Science and Management, Post Graduation Department of Zoology,  
Patna University, Patna, Bihar - 800 005

Sub :- Proceedings of meeting of State level Expert Appraisal Committee held on  
20.09.2018 and 21.09.2018.

Sir,

Please find enclosed herewith proceedings of the State Expert Appraisal Committee  
(SEAC) held on 20<sup>th</sup> and 21<sup>st</sup> September, 2018 in the meeting hall of SEIAA, Bihar,  
Patna.

Sincerely Yours



(Alok Kumar)

Member Secretary  
SEAC, Bihar

Secretary  
SEAC, BIHAR

Proceedings of the State Expert Appraisal Committee (SEAC) meeting dated 20<sup>th</sup> and 21<sup>st</sup> September, 2018

A meeting of SEAC was held in the meeting hall of SEIAA, Bihar, 2<sup>nd</sup> Floor, Beltron Bhawan, Shastri Nagar, Patna- 20<sup>th</sup> and 21<sup>st</sup> September, 2018 presided over by the Chairman, SEAC. The following members of the committee were present in the meeting:

1. Dr. Amar Nath Verma
2. Dr. Shardendu
3. Shri Vijay Kumar Sinha
4. Dr. Birendra Prasad
5. Dr. Sudhanshu Kumar
6. Dr. Rakesh Kumar Singh
7. Dr. Dilip Kumar Paul
8. Shri Alok Kumar, Member Secretary

The records of the projects included in the agenda were put up before the committee by supporting staffs/officers for necessary appraisal.

The committee discussed the proposals on the agenda and made following observations/recommendations for various projects and sought compliance on the points raised in relation thereto-

1. **Proposed Capacity Expansion at BPCL POL Depot, Village:-Sherpur, Near Narayanpur Anant Railway Station, NH - 28, P.O.- MIC Bela, District-Muzaffarpur, State- Bihar, Pin- 842 005, Total Capacity - 29,805 KL (Proposal No. - SIA/6(b)/434/17). Online Proposal No.:- SIA/BR/IND2/16935/2016).**

M/s. Bharat Petroleum Corporation Ltd (BPCL) has set up the POL Depot at S.F nos. 1022, 993, 1025, 979, etc., at village-Sherpur, District-Muzaffarpur, Bihar, (Latitude 26° 05' 10.87" N and Longitude 85° 24' 29.38" E). The total area occupied by said BPCL Depot is approximately 15.8 acres. The BPCL proposes to install 2 nos. of underground storage tanks (200 KL) for Biodiesel and one underground storage tank (200 KL) for Ethanol, and to convert 1 UG tank (1X 100 KL) presently used for storage of MS to store Ethanol and 1 aboveground tank of 870 KL capacity presently used for storage of HSD to store Biodiesel within the existing depot having a storage capacity of 29,205 KL



petroleum products. Total project cost of the proposed expansion is estimated at ₹ 4,76,00,000/-.

An application along with filled up 'Form - I' and pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 10<sup>th</sup> February, 2017 for obtaining approved Terms of Reference (ToR). The SEIAA issued ToR vide Ref. No. 574 dated 16.03.2017 and Final EIA report was submitted on 3<sup>rd</sup> July, 2018.

This project was earlier discussed in SEAC on 13<sup>th</sup> July 2018. The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit additional informations:

1. The complete compliance report of Environmental Clearance granted earlier has not yet been submitted, however partial compliance is done by the proponent which is not found satisfactory. The Committee expressed its displeasure on delay made by the Project Proponent in the matter of submission of complete compliance report. The project proponent must submit a definite time frame for the same (along with time bound action plan).
2. (a) Softcopy of the 3-month (hourly) meteorological data generated at project siteduring monitoring period.  
(b) Atmospheric dispersion modelling details considered for the results presented in Table 4.8:  
(c) Atmospheric dispersion model used.
3. (a) Detailed calculation sheet including references considered for the preparation of emission inventory presented in on Tables 4.4 to 4.7.  
(b) Model Input and output files; including model-ready met data if any.
4. Supporting calculation and explain the statement “resultant maximum noise level from site calculated as 85 dB (A)” (page 152), consider the list of anticipated sources as given in Table 4.9.
5. Supporting calculations for the results presented in Table 4.10.
6. QRA need to be revised. The revised report must including, model used, variables considered, detail calculations and resultant contours plotted over the layout map. Long term (not less than annual) meteorological data must be considered.
7. VOC Monitor data is not accurate.

  
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**SEAC, BIHAR**

8. Submit risk assessment plan with map showing vulnerable population zone in the surrounding area.
  9. Revise the flora and fauna status chapter of the EIA report.
  10. Submit the site specific Rain Water Harvesting plan along with detail calculations.
  11. Submit the base line report collected and analysed by NABL accredited laboratory.
  12. All reports must be reviewed for typographical errors before submission.
2. **Construction of Additional tankages of Ethanol and Biodiesel within the existing POL Depot of BPCL, Barauni, Village:-Panapur (Barauni), Zero Mile, Behind HPCL Depot, Panapur, Begusarai District- Begusarai, State- Bihar, Pin- 851 210, Total Capacity - 27,967 KL (Proposal No. - SIA/6(b)/435/17). Online Proposal No.:- SIA/BR/IND2/28619/2016).**

BPCL POL Depot is located at Survey No. 549, Mauza no. 507, Village - Papraur, Tehsil - Barauni, District - Begusarai. The proposed project site is situated in an area of 20.637 acres having Latitude 25° 26' 22.21" N and Longitude 86° 02' 49.35" E. MS, HSD, SKO and Ethanol are stored in 11 tanks of various capacities. Total existing safe capacity of the depot is 26,609 KL. Proposed project envisages expansion of capacity by installation of one no. of above ground storage tanks (250 KL) for Ethanol and 2 numbers of above ground storage tanks Biodiesel (250 KL and 858 KL) and to convert 1 underground tank presently used for storage of Diesel to store Ethanol. After expansion the storage capacity will increase to 27,967 KL. The total project cost of the proposed expansion is estimated ₹ 7,01,00,000/-.

An application along with filled up 'Form - I' and pre-feasibility report in the prescribed format was submitted to SEIAA, Bihar on 10<sup>th</sup> February, 2017 for obtaining approved Terms of Reference (ToR). The SEIAA issued ToR vide Ref. No. 572 dated 16.03.2017 and Final EIA report was submitted on 21<sup>st</sup> August, 2018.

The Proponent and Consultant presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit additional informations:

  
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1. (a) Softcopy of the 3-month (hourly) meteorological data generated at project siteduring monitoring period.
2. Atmospheric dispersion modelling details considered for the results presented in Table 4.8:
  - a) Atmospheric dispersion model used.
  - b) Detailed calculation sheet including references considered for the preparation of emission inventory presented in on Tables 4.4 to 4.7.
  - c) Model Input and output files; including model-ready met data if any.
3. Supporting calculation and explain the statement “resultant maximum noise level from site is calculated as 85 dB (A)” (page 165), consider the list of anticipated sources as given in Table 4.9.
4. Supporting calculations for the results presented in Table 4.10.
5. Details of QRA like variables considered, calculations and output contours plotted over the layout map. Long term (not less than annual) meteorological data must be considered.
6. Submit 1 Km radius toposheet map of the project site.
7. Submit risk assessment plan with map showing vulnerable population zone in the surrounding area.
8. VOC Monitor data is not accurate.
9. Revise the flora and fauna status chapter of the EIA report..
10. Submit the site specific Rain Water Harvesting plan along with detail calculations.
11. Submit the base line report collected and analysed by NABL accredited laboratory.
12. All reports must be reviewed for typographical errors before submission

**3. Vardhman Institute of Medical Sciences (VIMS), Village:-Pawapuri, Tehsil:-Giriyak, District:-Nalanda, State:- Bihar.**

Vardhman Institute of Medical Sciences (VIMS) has come up on Govt. of Bihar acquired land of 25 Acres at Pawapuri, Block -Giriyak, District - Nalanda, State- Bihar.

**Project Details and facilities:**

Sl. No.	Particulars	Details
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1.	Total Plot Area	1,01,150 M <sup>2</sup> or 25 Acres
2.	Total Built-up Area	1,84,997.8 M <sup>2</sup>
3.	FAR Permissible (@2.5)	2,52,875 M <sup>2</sup>
4.	FAR Proposed (@1.779)	1,79,946 M <sup>2</sup>
5.	Permissible Ground coverage (40%)	40,460 M <sup>2</sup>
6.	Proposed Ground Coverage (28.45%)	28,783.7 M <sup>2</sup>
7.	Green Belt and landscape Area	20,903.05 M <sup>2</sup>
8.	Basement Area	25,522.6 M <sup>2</sup>
9.	Total Permanent Population (staff Quarter + Hostel)	1,914
10.	Total Hospital Block Population (Patients + Attendants)	26,90
11.	Total Expected Population	4,604 Persons
12.	Total Cost of the Project	₹ 454,64,00,000/-

With reference to instant proposal the following facts need to be appreciated.

1. The application for EC was received in SEIAA on 27/09/2013 after initiation of construction work over the site and major part of construction had already been completed by the project proponent. The proposal relates to construction of a Govt. Hospital by Bihar Rajya Pul Nirman Nigam Ltd. (BRPNNL).
2. The SEAC on 06 Nov. 2013 undertook a site inspection; found the same as described above and categorized the project as a clear case of violation of EIA/EC Norms.
3. As noted in the file a show cause notice dated 09 Jan 2014 was also served on the applicant i.e. Bihar Rajya Pul Nirman Nigam, (a Govt. of Bihar undertaking) which was assigned the construction work for Deptt. of Health, GoB, Patna.
4. A Case under The E(P) Act, 1986 was lodged on 30/04/2015 (Complaint case No.-98 of 2015) in the Court of CJM Patna against Senior Project Engineer, B.R.P.N. Nigam, Ltd.
5. Vide their letter 1089 Dated-04.08.2014 Bihar Rajya Pul Nirman Nigam Ltd, reported that they did so unknowingly without obtaining prior Environmental Clearance. As soon as it came to their knowledge that no construction activities should be done without getting prior environmental clearance as per EIA

Notification S.O.No.1533(E) Dated -14-09-2006 they stopped all new construction activities.

6. Again vide their letter-PNNL/SBC/2008 (अनु०) Dated-06/09/2018 Bihar Rajya Pul Nirman Nigam Ltd, reported that cent percent construction work stands completed and Medical College and Hospital is functioning in the fully built up complex.
7. The project proponent also failed to avail the opportunity for regularization of violation in accordance with S O 804 (E) dated 14<sup>th</sup> March 2017 issued by the MoEF&CC, Govt. of India.

It is found that since the project proponent has already committed violation of the relevant provisions of the E(P) Act, 1986, the case should now be considered under the category of violation. It is also clear from the above mentioned facts that a compliant case bearing no. 98/2015 is pending in the court of CJM Patna against the proponent outcome of the case must be awaited. However, it is seen that this case is not followed up as it ought to have been. The project proponent B.R.P.N.N.L by their own submission, vide their letter-1089 Dated-04.08.2014 and further vide their letter-PNNL/SBC/2008 (अनु०) Dated-06/09/2018, have completed the project thus committing a full scale violation of E(P) Act, 1986. Now, it must be brought to be notice of the trial court for needful speedy decision. It was observed that the project proponent may now submit revised proposal as violation case to be dealt with by the SEIAA, Bihar, and during the pendency of the relevant case in the court a no objection order (from the court) should be obtained by the project proponent to consider the above mentioned revised proposal relating to violation and necessary Environmental Clearance.

**4. TRIVENI SMELTERS PVT. LTD., (Expansion Project), Mauza:-Raipura, Tehsil:- Fatuha, District:- Patna (Proposal No. - SIA/3(a)/536/18) Online Proposal No.:- SIA/BR/IND/27926/2018).**

Triveni Smelters Pvt. Ltd. (TSPL), is situated near village - Raipura, Tehsil - Fatuha, District - Patna, Bihar. Total Plant area is 16,000 M<sup>2</sup> (1.6 Ha). Total area of 4,800 M<sup>2</sup> area (33% of total plot area 1.6 Ha) is being utilized as green belt and plantation as



mentioned in project proposal. The total cost of the expansion project is approx ₹ 47,37,48,000/-.

Manufacturing and production Details as contained in project proposal are summarized below:-

Unit (Product)	Existing Production (Ton/Annum)	Proposed Expansion (Ton/Annum)	Total Production (Ton/Annum)
Induction Furnace (MS Ingot/Billet)	1,08,000	Phase - I 42,000	Phase - I 1,50,000
		Phase - II 1,50,000	3,00,000 (after phase I and Phase II Expansion)
Re-rolling Mill (TMT Bar/Rods)	1,08,000	Phase - I 42,000	Phase - I 1,50,000
		Phase - II 1,50,000	3,00,000 (after phase I and Phase II Expansion)

An application along with filled up 'Form - I' and pre-feasibility report in prescribed format was submitted to SEIAA, Bihar on 18<sup>th</sup> July, 2018 for obtaining approved Terms of Reference (ToR).

The project proposal was presented in the meeting of the SEAC on 31.08.2018 during which compliances on certain points were sought. During the presentation, the Project Proponent and Consultant requested the Committee for permission to use existing baseline data, which was generated while preparing the EIA report of M/s ShivShiva Steel Pvt. Ltd; during March – May 2017. The above mentioned unit is situated adjacent to present project and EC has already been granted. The SEAC felt that there is no objection in granting permission to used baseline data of adjacent project and as such the request was accepted. The committee considered the compliance by project proponent and the proposal is recommended for necessary Term of Reference. (As Annexure - I)

**5. Common Bio-Medical Waste Treatment Facility, Village:-Karai, Tehsil:-Bikram, District:- Patna, State:- Bihar, (Proposal No.- SIA/7(da)/458/17) Online Proposal No.- SIA/BR/MIS/18952/2017.**

Proposed Common Bio-Medical Waste Treatment Facility (Applicant -M/s S. R Solution) is located at Thana No. 141, Khata No. - 234, 242, and Survey plot no. - 1698, 1690, Village - Karai, Tehsil - Bikram, District - Patna. The proposed project site is

situated in an area of 1.25 Acres having Latitude - 25° 32' 32.244" N and Longitude - 84° 57' 40.14" E. The total project cost of the proposed project is ₹1,50,00,000.00/-.

It is found from the records that this proposal was considered by the SEAC, in its meeting dated 17<sup>th</sup> and 18<sup>th</sup> June, 2017. It was decided by the SEAC to refer the matter to Bihar State Pollution Control Board, Patna for siting criteria as per the requirement of the revised guidelines for Common Bio-Medical Waste Treatment Facility dated 21<sup>st</sup> December, 2016 issued by Central Pollution Control Board, MoEF&CC under the Bio-Medical Waste Management Rule, 2016. Accordingly a report was sent by the Bihar State Pollution Control Board to the SEIAA, Bihar in the matter vide their letter B – 46, dated 02.02.2018. The prescribed State agency in the relevant matter Bihar State Pollution Control Board has clarified the position. A three members sub-committee is constituted by the State Health Department, Govt. of Bihar for selection of site etc. under the provision of Bio-Medical Waste Management Rule, 2016.

Under these rules selection of the agency and siting criteria has to be done prior to development of any Common Bio-Medical Waste Treatment Facility.

The above position was discussed in the instant SEAC meeting while scoping of the proposal in which the project proponent and consultant were present. The matter was explained to them, upon which the project proponent claimed that since he has submitted the proposal before constitution of the above said three member committee by the State Government it does not apply to it. He was told that the prevailing rule/instructions on the date of consideration of proposal are to be followed. That being the case that the project proponent and the site proposed to be used for establishment of facility have not been selected by due process provided under the above mentioned revised Guidelines the proposal is found fit to be rejected.

However the project proponent is free to take part in the selection process of the agency; in case an invitation of expression of interest etc in the matter is called for by the competent Authority.

**6. JAYPRABHA MEDANTA SUPER SPECIALITY HOSPITAL (A Project by Global Health Patliputra Pvt. Ltd.) (Amendment in EC) (Proposal No. - SIA/8(a)/538/18) Online Proposal No.:- SIA/BR/MIS/27949/2016).**

Jayprabha Medanta Super Specialty Hospital (A Project by Global Health Patliputra Pvt. Ltd.) is located at Kankarbagh, Patna Sadar, of District Patna, Bihar. Jay



Prabha Hospital land allotted by Health Department, Govt. of Bihar vide their letter no.- 101/Vividh-15-29/2013-634(10), dated 31-08 -2015. The existing hospital have Built-up Area of 66,701.867 m<sup>2</sup> for which the Environmental Clearance was granted by SEIAA, Bihar vide letter no. 131 dated 26/04/2016. After the proposed expansion / modernization the Built-up Area of the hospital will be revised to 97,124.266 m<sup>2</sup>. The project cost of existing hospital was ₹ 220,00,00,000/- but and after proposed expansion the project cost will be ₹ 280,00,00,000/-.

**Details of Projects are given below:-**

Project Components	Existing details (based on which earlier EC was granted)	Proposed Amendment
Name of the Project	Medanta Super Specialty Hospital	Jayprabha Medanta Super Specialty Hospital
Total Plot Area	26,722.398 m <sup>2</sup>	26,722.398 m <sup>2</sup>
Total Built-up Area	66,701.867 m <sup>2</sup>	66,701.867 m <sup>2</sup>
No. of Structures/ Buildings proposed	01 No.	01 No.
Total No. of Floors	12 Floors	B+G+11 Floors
Height of Building	40.8 Meters	47.3 Meters
FAR Permissible	66,805.995 m <sup>2</sup>	73,486.594 m <sup>2</sup>
FAR Proposed	66,701.867 m <sup>2</sup>	73,269.646 m <sup>2</sup>
Permissible Ground Coverage	13,361.199 m <sup>2</sup>	13,361.199 m <sup>2</sup>
Proposed Ground Coverage	10,452.86 m <sup>2</sup>	13,230.67 m <sup>2</sup>
Green Belt & Landscape Area	Green Belt = 1,989.03 m <sup>2</sup> (7.44 %)	Green Belt = 1,943.89 m <sup>2</sup> (7.28%)
	Landscape Area = 2,677.45 m <sup>2</sup> (10.02%)	Landscape Area = 5,205 m <sup>2</sup> (19.47%)
	Total Green Area = 4,666.48 m <sup>2</sup> (17.46%)	Total Green Area = 7,148.89 m <sup>2</sup> (26.75%)
Total Cost of the Project	₹ 220 Crores	₹ 280 Crores

The project proposal was presented in the meeting of the SEAC on 31.08.2018 during which compliances on certain points were sought. The Proponent and Consultant presented the proposal before the Committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:

1. Submit EMP reports with detailed budget layout.
2. Floor wise layout plan.

  
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3. Project layout plan on scale regarding ETP, STP duly signed by project proponent and consultant (provide STP for domestic discharge and ETP for laundry and kitchen waste separately).
4. In-house food waste management facility in campus (Bio-composting unit) to be shown on layout plan.
5. Certified Compliance report of Environmental Clearance issued earlier.
6. Increase Parking area (which stands reduced in the revised proposal) and show the parking facility on layout plan in view of substantial reduction in parking facility in proposed amended plan.
7. Depict Show Bio-Medical waste centralized collection site on layout plan.
8. Layout plan showing green belt.
9. Submit the site specific Rain Water Harvesting plan along with detail calculations.
10. Submit the water balancing diagram (for pre & post monsoon) considering ZERO balance / discharge.
11. Submit the structure certificate from Govt. recognized Architect / Design Engineer. Which clearly mention that previous structure have enough strength to support proposed expansion.
12. Submit CER proposal / plan.
13. Submit the prevailing baseline data analysis by NABL laboratory.

**7. Proposed Residential Project "Sunrise Rupaspur City", Village:-Rupaspur (Dhanaut), Mohalla:-Rupaspur, Pargana - Phulwari, Teshil:-Danapur Block, District:- Patna, State:- Bihar. (Proposal No. - SIA/8(a)/524/18) Online Proposal No.:- SIA/BR/NCP/74851/2018).**

Residential project "Sunrise Rupaspur City" is located at survey plot no.-570 (P), 956 P, 964 P, 965 P, 966 P, 967(P), 968 P, 969 (P), 970 (P), Village-Rupaspur (Dhanaut), Mohalla-Rupaspur, Pargana-Phulwari, Khata No.-403, 404, 405, 407, 408, 411, 543 Thana No.-20, Block:- Danapur, District:- Patna, State:- Bihar. The plot area of proposed residential project is 10,877.83 m<sup>2</sup> (2.68 acres) and total built-up area is 23,611.6 m<sup>2</sup>.

Earlier, in the meeting dated 26-06-2018, the committee had directed the project proponent to submit the revised plan and documents. The Proponent and Consultant

presented the proposal before the committee, which after due discussion and consideration directed the project proponent to submit a revised report including the following:

1. In-house food (bio-degradable) waste management facility in campus (Bio-composting unit) to be shown in layout plan.
2. The connecting road within the campus should be wider with sufficient inter space for crossing of vehicle and movement of fire tender.
3. The green cover @ minimum 15% of the project area consisting of mixture of indigenous and fast growing ornamental species of trees and perennial shrubs must be created and maintained. Plantation of minimum 5 feet tall plants must be planted. Plantation along the side of the buildings, roads and in the open spaces shall be developed to act as sinks of air pollutants. The plantation of preferably evergreen species (trees) shall be completed in the initial phase of construction itself.
4. Proper outdoor facility shall be marked for children and senior citizen.
5. Submit the site specific Rain Water Harvesting plan along with detail calculations along with storm water management.
6. Submit the water balancing diagram (for pre & post monsoon) considering ZERO balance / discharge and its layout plan.
7. Submit CER proposal / plan.
8. Submit the prevailing baseline data analysis by NABL laboratory.

**8. Stone Mining project at Village:-Matokhar, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/528/18). Online Proposal No.:- SIA/BR/MIN/70176/2017).**

Stone Mine project at Sheikhpura is located at village:-Matokhar, Block - Sheikhpura, District:-Sheikhpura of Bihar. The project site having mining lease area is 5.06 ha. Project is located at Block No.- 01, Plot No.- 1030/P. The project site having Latitude and Longitude of four coordinates of Part A are Corner A - 25° 08' 15.98"N, 85° 48' 35.27"E, Corner B - 25° 08' 18.90"N, 85° 48' 18.77"E, Corner C - 25° 08' 20.07"N, 85° 48' 18.04"E, Corner D - 25° 08' 23.31"N, 85° 48' 18.02"E, Corner E - 25° 08' 19.53"N, 85° 48' 28.77"E, and Part B are Corner F - 25° 08' 08.49"N, 85° 48' 23.66"E, Corner G - 25° 08' 05.35"N, 85° 48' 20.27"E, Corner H - 25° 08' 08.33"N, 85° 48'



19.29"E, Corner I - 25° 08' 09.63"N, 85° 48' 22.52"E. The proposed production of the project is 5,24,300 cubic meter/annum. Total project cost is ₹ 45,00,000/-.

The Committee directed the project proponent to submit District Survey Report (DSR) without which the proposal cannot be appraised. The project proponent / Consultant were directed to submit DSR of the respective districts. The project proposal will be put up before the SEAC only after receiving the DSR.

**9. Stone Mining project at Village:-Chandi, Tehsil:-Sheikhpura, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/529/18). Online Proposal No.:- SIA/BR/MIN/70404/2017).**

Stone Mine project at Sheikhpura is located at Mauja:-Chandi, Block - Sheikhpura, District:-Sheikhpura of Bihar. The project site having mining lease area is 5.05 ha. Project is located at Block No.- 29, Plot No.- 1810 (P). The project site having Latitude and Longitude of four coordinates of are Corner A - 25° 03' 57.45"N, 85° 48' 09.63"E, Corner B - 25° 04' 01.09"N, 85° 48' 15.04"E, Corner C - 25° 03' 55.03"N, 85° 48' 21.30"E, Corner D - 25° 03' 50.70"N, 85° 48' 16.79"E. The proposed production of the project is 11,25,600 TPA. Total project cost is ₹ 27,35,00,000/-.

The Committee directed the project proponent to submit District Survey Report (DSR) without which the proposal cannot be appraised. The project proponent / Consultant were directed to submit DSR of the respective districts. The project proposal will be put up before the SEAC only after receiving the DSR.

**10. Stone Mining project at Village:-Chandi, Tehsil:-Sheikhpura, District:- Sheikhpura, State:- Bihar (Proposal No. - SIA/1(a)/530/18). Online Proposal No.:- SIA/BR/MIN/71034/2017).**

Stone Mine project at Sheikhpura is located at Village:-Chandi, Block - Sheikhpura, District:-Sheikhpura of Bihar. The project site having mining lease area is 5.06 ha. Project is located at Block No.- 28, Plot No.- 1810 (P). The project site having Latitude and Longitude of four coordinates of are Corner A - 25° 03' 57.30"N, 85° 48' 09.33"E, Corner B - 25° 03' 52.37"N, 85° 48' 05.30"E, Corner C - 25° 03' 46.09"N, 85° 48' 11.71"E, Corner D - 25° 03' 50.34"N, 85° 48' 16.46"E. The proposed production of the project is 9,91,200 TPA. Total cost of the proposed project is ₹ 9,35,00,000/-.

  
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The Committee directed the project proponent to submit District Survey Report (DSR) without which the proposal cannot be appraised. The project proponent / Consultant were directed to submit DSR of the respective districts. The project proposal will be put up before the SEAC only after receiving the DSR.

**11. Mirzapur Stone Mining project, Village - Mirzapur, Anchal - Manpur, District - Gaya, Block No.- 01 (Proponent:- M/s Sanik Foods Pvt. Ltd.). (Online Proposal No.- SIA/BR/MIN/17375/2015).**

Mirzapur Stone Mine project of Block No.- 01 is located at Village:- Mirzapur, Anchal - Manpur, District:- Gaya of Bihar. The project site having mining lease area is 5.06 ha. The proposed project having a Khesra No.- 2 (CS). The project site having Latitude and Longitude of four coordinates of are Corner A - 24° 48' 39.60"N, 85° 03' 36.19"E, Corner B - 24° 48' 45.70"N, 85° 03' 54.77"E, Corner C - 24° 48' 34.43"N, 85° 03' 43.22"E, Corner D - 24° 48' 36.82"N, 85° 03' 36.20"E. The proposed production of the project is 3,64,000 TPA. Total cost of the proposed project is ₹ 95,00,000/-.

The Committee directed the project proponent to submit District Survey Report (DSR) without which the proposal cannot be appraised. The project proponent / Consultant were directed to submit DSR of the respective districts. The project proposal will be put up before the SEAC only after receiving the DSR.

**12. Gere Block No.- 04 stone mining project, Village - Gere, Tehsil - Manpur, District - Gaya (Proponent:- M/s Katayni Contractors Pvt. Ltd.). (Online Proposal No.- SIA/BR/MIN/17387/2015).**

Gere Stone Mine project of Block No.- 04 is located at Village:- Gere, Anchal - Manpur, District:- Gaya of Bihar. The project site having mining lease area is 5.06 ha. The proposed project having a Khesra No.- 1294 (CS). The project site having Latitude and Longitude of four coordinates of are Corner A - 24° 48' 57.20"N, 85° 03' 58.71"E, Corner B - 24° 49' 02.70"N, 85° 04' 04.09"E, Corner C - 24° 48' 53.38"N, 85° 04' 03.97"E, Corner D - 24° 48' 53.20"N, 85° 04' 03.85"E. The proposed production of the project is 4,48,000 TPA. Total cost of the proposed project is ₹ 96,00,000/-.

The Committee directed the project proponent to submit District Survey Report (DSR) without which the proposal cannot be appraised. The project proponent /

Consultant were directed to submit DSR of the respective districts. The project proposal will be put up before the SEAC only after receiving the DSR.

Sd/-  
(Dr. Shardendu)  
(Member, SEAC)

Sd/-  
(Dr. Rakesh Kumar Singh)  
(Member, SEAC)


Sd/-  
(Dr. Amar Nath Verma)  
(Member, SEAC)

Sd/-  
(Shri Vijay Kumar Sinha)  
(Member, SEAC)

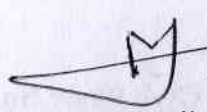
Sd/-  
(Dr. Birendra Prasad)  
(Member, SEAC)

Sd/-  
(Dr. Sudhanshu Kumar)  
(Member, SEAC)

Sd/-  
(Dr. Dilip Kumar Paul)  
(Member, SEAC)

  
(Alok Kumar)  
Member Secretary, SEAC

Secretary  
SEAC, BIHAR

  
(Murarijee Mishra)  
Chairman, SEAC

Annexure- I

**A. STANDARD TERMS OF REFERENCE (TOR)**

**1) Executive Summary.**

**2) Introduction.**

- i. Details of the EIA Consultant including NABET accreditation.
- ii. Information about the project proponent.
- iii. Importance and benefits of the project.

**3) Project Description.**

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities.
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
- ix. Hazard identification and details of proposed safety systems.
- x. Compliance of requirements sought by Govt. of India, MoEF&CC (Impact Assessment Division) F. No. 22-8/2018-IA.III dated 20.04.2018.
- xi. Expansion/modernization proposals:
  - a.) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
  - b.) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or



EIA Notification, 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

**4) Site Details.**

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places).
- iii. Details w.r.t. option analysis for selection of site.
- iv. Co-ordinates (lat-long) of all corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
- ix. A list of major industries with name type distance and direction from the proposed project, located within study area (10km radius) shall be incorporated. Land use details of the study area.
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects).

- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

**5) Environmental Status.**

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB / MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB / MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule - I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

**6) Impact and Environment Management Plan.**

  
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- i. Assessment of ground level concentration of pollutants from the stack emission based onsite-specific meteorological features. In case the project is located on a hilly terrain, the atmospheric modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed in detail using atmospheric dispersion model like AERMOD, receptor grid size should not be more than 250m x 250m. At least one year of site specific/representative meteorological data should be used to perform the dispersion modeling. Model should be run and presented for the following scenarios:
  - ii. Impact due to proposed expansion.
  - iii. Impact due to existing + proposed expansion.
  - iv. Predictions should also be made at the selected AAQM station and a table of superimposed (background + predicted) values is to be presented. Details of the Model and the input data and calculations used for modeling should be submitted. The air quality contours should be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The wind rose, and isopleths should also be shown on the location map.
  - v. The noise level at varying distances for multi-sources should be predicted using suitable noise model and contours should be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. A comparison of measured noise (Leq Day and Leq Nigh) at monitoring locations to that of predicted noise levels (Leq Day and Leq Nigh) should be made.
  - vi. Water Quality modelling - in case of discharge in water body.
  - vii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
  - viii. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.

  
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- ix. Details of stack emission and action plan for control of emissions to meet standards.
- x. Measures for fugitive emission control.
- xi. Details of hazardous waste generation and their storage, utilization and management. Copies of MoU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- xii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- xiii. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- xiv. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xv. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xvi. Action plan for post-project environmental monitoring shall be submitted.
- xvii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency.
- xviii. Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**7) Occupational health.**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of

the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and departmentwise.

- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

#### **8) Corporate Environment Policy.**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.

- 9) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

#### **10) Enterprise Social Commitment (ESC).**

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time.

### **B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR METALLURGICAL INDUSTRIES (FERROUS & NON FERROUS)**

- 1) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
- 2) Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ ladle refining, casting and rolling plants etc.
- 3) Details on installation/activation of opacity meters with recording with proper calibration system.
- 4) Details on toxic metals including mercury, arsenic and fluoride emissions.
- 5) Details on stack height requirement for integrated steel.
- 6) Details on ash disposal and management -Non-ferrous metal.
- 7) Complete process flow diagram describing production of lead/zinc/copper/aluminium, etc. Raw materials substitution or elimination.
- 8) Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation.
- 9) Details on Holding and de-gassing of molten metal from primary and secondary aluminum, materials pre-treatment, and from melting and smelting of secondary aluminum.
- 10) Details on solvent recycling.
- 11) Details on precious metals recovery.
- 12) Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
- 13) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 14) Trace metals Mercury, arsenic and fluoride emissions in the raw material.
- 15) Trace metals in waste material especially slag.
- 16) Plan for trace metal recovery.
- 17) Trace metals in water.

  
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