

## 573वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 28 मई 2022

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, भोपाल से पर्यावरणीय स्वीकृति हेतु प्राप्त परियोजनाओं के तकनीकी परीक्षण हेतु राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 573वीं बैठक दिनांक 28/05/2022 को डॉ. पी.सी. दुबे की अध्यक्षता में आयोजित की गई, जिसमें समिति के निम्नलिखित सदस्य स्वयं/वीडियो कॉन्फ्रेंसिंग के माध्यम से उपस्थित रहें :-

1. श्री राघवेन्द्र श्रीवास्तव, सदस्य ।
2. प्रो. (डॉ.) रुबीना चौधरी, सदस्य ।
3. डॉ. ए.के. शर्मा, सदस्य ।
4. प्रो. अनिल प्रकाश, सदस्य ।
5. प्रो. (डॉ.) आलोक मित्तल, सदस्य ।
6. डॉ. जय प्रकाश शुक्ला, सदस्य ।
7. डॉ. रवि बिहारी श्रीवास्तव, सदस्य ।
8. श्री ए.ए. मिश्रा, सदस्य सचिव ।

सभी सदस्यों द्वारा अध्यक्ष महोदय के स्वागत के साथ बैठक प्रारंभ करते हुए बैठक के निर्धारित एजेण्डा अनुसार पर्यावरणीय स्वीकृति हेतु प्राप्त प्रोजेक्ट्सों का तकनीकी परीक्षण निम्नानुसार किया गया :-

1. **Case No 8902/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 16.10 ha. (198540 Cum per annum) (Khasra No. 79), Village - Nilkanth, Tehsil - Nasrullaganj, Dist. Sehore (MP). EIA Consultant M/s. Creative Enviro Services, Bhopal (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 79), Village - Nilkanth, Tehsil - Nasrullaganj, Dist. Sehore (MP) 16.10 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

PP has submitted the EIA report on line which was forwarded through SEIAA to SEAC and same was placed before the committee for appraisal.

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The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 16.100 ha in Village –Nilkant, Tehsil- Nasrullaganj, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore, Madhya Pradesh vide letter no.3551/Khanij/2021 dated 6/12/2021 for a production capacity of 1,98,540 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 3776 dated 24/12/2021 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 21.100 ha, including this mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.

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- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (1,98,540 cum/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 15 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m3) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Confluence point of Narmada and Kolar river- Kolar river is joining Narmada river within our lease area which is quite sensitive towards ecological point of view therefore 250 meter within lease area shall be dealt as no Mining area and same has shown in surface map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m3) approved for this lease (at sl. No. 15 of page 123 & 133) is 2,89,800 m3 in 16.10 ha., where as the sanctioned volume of sand as per approved mine plan is 1,98,450 m3 which is less than the 60% of the total mineral potential (in m3).

During presentation as per Google image based on coordinates provided by PP, it was observed that that Kolar River is joining to Narmada River in the North West side of the lease area. PP stated they have proposed 250 meter left as no mining area and same has shown in surface map and after leaving 250 meters non mining zone the area available for mining is 6.618 ha from which 1,98,450 m3 of sand can be evacuated per year as per DSR and approved mine and replenishment plan.

Committee observed that as per the google image of lean season sand is available in the mine area. Committee recommends that considering safety and confluence of kolar river, additional 05% volume shall be deducted and recommended volume for EC shall be 1,88,613m3/year.

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After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई। परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-1,88,613 घनमीटर प्रति वर्ष।
2. कोलर नदी के मिलने के बिंदु से खदान के पूर्व क्षेत्र में 250 मीटर का नॉन माइनिंग जोन छोड़ा जाये।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माइनिंग (Only Manual Mining) की जाये।
4. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
5. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 16.28 लाख एवं रिकरिंग राशि रु. 01.58 लाख प्रति वर्ष।
6. सी.ई.आर मद में निम्नानुसार राशि रु. 02.10 लाख :-

Sr no	Proposed Activity	Amount
1.	Following Medical equipments donation in Civil Hospital Nasrullaganj. ➤ Labour table with wheel & Thigh support (Remote Operated ) -01	100000/-
2.	Maintaince of road in Nilkant village	100000/-
3.	Distribution of utensils for cooking and dinning, toys for children in Aagnagnbadi of Nilkant Village	10000/-

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	<b>Total</b>	210000
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7. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 03 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 19,200 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	5000
2	1. नीलकण्ठ गॉव के समुदायिक भवन । 2. नीलकण्ठ गॉव के स्कूल । 3. नीलकण्ठ गॉव के आगनवाड़ी में वृक्षारोपण । 4. नीलकण्ठ गॉव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 3900
3	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर)	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	5000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
कुल			19,200
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

- 2. Case No 8376/2021 M/s Power Mech Projects Limited, Shri Krishna Praveen Kota, Executive Director, R/o Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Bhopal - 462024 Prior Environment Clearance for Sand Quarry in an area of 8.093 ha. (80000 cum per annum) (Khasra No. 120), Village - Nahlai, Tehsil - Rehti, Dist. Sehore (MP) Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 120), Village - Nahlai, Tehsil - Rehti, Dist. Sehore (MP) 8.093 Ha. The project requires prior EC before commencement of any activity at site.

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Earlier this case was scheduled for presentation and discussion in 493<sup>rd</sup> SEAC dated 23/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

PP has submitted the EIA report on line which was forwarded through SEIAA to SEAC and same was placed before the committee for appraisal.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 8.093 ha in Village –Nahlai, Tehsil- Rehti, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Director geology & Mining Madhya Pradesh vide letter no.7832/M.P cell -8 /N sr/35/2020 dated 14/8/2020 for a production capacity of 80,000 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-Patr) letter no. 1160 dated: 30/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.
- Mining will be carried out by Manual method by scrapping in 2.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 KM<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly

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undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)

- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (80,000 cum/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 26 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no. 133 of approved DSR.
- Some part in west and east side within lease area is submerged in water hence this shall be dealt as no mining area and same has shown in surface map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 26 of page 123 & 133) is 1,45,674 m<sup>3</sup> in 8.0930 ha., where as the sanctioned volume of sand as per approved mine plan is 80,000 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that in the part of allocated the lease area water stream is flowing and same shall be left as non mining area. PP submitted that this area is already left as non mining area and same is shown on surface map in the presentation wherein out of allocated 08.093 ha area, the minable area is only 4.184 ha.

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Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 76,000 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-76,000 घनमीटर प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेंगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में कैपिटल राशि रु 16.48 लाख एवं रिक्रिंग राशि रु. 02.08 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 01.55 लाख

Sr No	Proposed Activity	Amount
1	Followin Medical equipments donation in Civil Hospital Nahali. 1) Labour table with wheel & Thigh support (Remote Operated ) 01	100,000/-



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2	Maintenance of road in Nahlai village	50000/-
3	Distribution of Toys, and Cooking utensil in Anganbadi Nahlai	5000/-
	<b>Total</b>	<b>1,55,000</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 9700 वृक्षों का वृक्षारोपण :

क्र०	प्रस्तावित वृक्षारोपण	पौधों की प्रजातियां	मात्रा
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	<b>3000</b>
2.	1. नहलाई गांव के समुदायिक भवन 2. नहलाई गांव के स्कूल 3. नहलाई गांव के आंगनवाड़ी में वृक्षारोपण 4. नहलाई गांव के रिक्त स्थान पर	नीम, करंज, सीताफल, पीपल, कचनार, चिरोल, कदम, सिस्सू आदि ।	<b>200</b> <b>200</b> <b>200</b> <b>1000</b>
3.	परिवहन मार्ग के किनारे	नीम, पीपल, कचनार, करंज, कदम चिरोल आदि ट्रीगार्ड सहित ।	<b>3000</b>
4	ग्रामवासियों के वितरण हेतु	आंवला, कटहल, नीम, जामुन, सीताफल, आम, अमरुद, करोदा, एवं अन्य फलदार वृक्ष	<b>2100</b>
<b>कुल</b>			<b>9700</b>
<p>टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत/वन समिति को पौधों की देखरेख हेतु आवश्यक बजट के साथ पौधों की देख-रेख का जिम्मा दिया जायेगा। रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।</p>			

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**3. Case No 8907/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 5.140 ha. (25,800 Cum per annum) (Khasra No. 146), Village - Charua, Tehsil - Rehti, Dist. Sehore (MP) M/s. Creative Enviro Services, Bhopal(M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 146), Village - Charua, Tehsil - Rehti, Dist. Sehore (MP) 5.140 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 5.14 ha in Village –Charua , Tehsil- Rehti, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore, Madhya Pradesh vide letter no.3541/Khanij/2021 dated 6/12/2021 for a production capacity of 25800 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 1158 dated 30/07/20 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 61.81 ha., including this mine.
- Mining will be carried out by Manual method by scrapping in 2.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.

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- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh).
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (25,800cum/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 12 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Some part in west side within lease area is submerged in water hence this shall be dealt as no Mining area and same has shown in surface map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 12 of page 123 & 133) is 92,520 m<sup>3</sup> in 5.140 ha., where as the sanctioned volume of sand as per approved

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mine plan is 25,800 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that very small portion (approx 0.40 ha) of the lease is submerged in the water in the SW side of the lease in the google image of October, 2021. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 24,510 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development and evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई। परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टैण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत- 24,510 घनमीटर प्रति वर्ष।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेंगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माइनिंग (Only Manual Mining) की जाये।

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4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 6.630 लाख एवं रिकरिंग राशि रु.1.660 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 01.10 लाख :-

Sr no	Proposed Activity	Amount
1.	Following Medical equipments donation in Civil Hospital Centre, Rehti, Fogger machine with chemical – 02	50000.00
2.	B.P Instrument HBP-1320 Model (Commercial)-05 in Civil Hospital Centre, Rehti	50000.00
3.	Distribution of utensils for children in agganwadi Charua for cooking and dinning	10000.00
	<b>Total</b>	<b>110000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 6200 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	1500
2	1. चारुआ गाँव के समुदायिक भवन । 2. चारुआ गाँव के स्कूल । 3. चारुआ गाँव के आगनवाड़ी में वृक्षारोपण । 4. चारुआ गाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 900
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर)	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	2000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	1500
कुल			6200
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**4. Case No 8900/2021 M/s. Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 23.0 ha. (300900 Cum per annum) (Khasra No. 300, 311), Village - Jahajpura-3, Tehsil - Rehti, Dist. Sehore (MP)M/s. Creative Enviro Services, Bhopal. (M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 300, 311), Village - Jahajpura-3, Tehsil - Rehti, Dist. Sehore (MP) 23.0 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 23.0 ha in Village-Jahajpura-3, Tehsil- Rehti, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore Madhya Pradesh vide letter no.3532/Khanij/2021 dated 6/12/2021 for a production capacity of 300900 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 2535 dated 27/09/21 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 66.941 ha., including this mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.

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- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (3,00,900 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 18 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Some part in South & SW direction within lease area is submerged in water, so this shall be dealt as no mining area, hence after leaving no mining area the desired quantities of sand is available and same has shown in surface map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 18 of page 123 & 133) is 4,14,000 m<sup>3</sup> in 23.00 ha., where as the sanctioned volume of sand as per

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approved mine plan is 3,00,900 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that the part of the lease is submerged in the water in the SE-SW side of the lease PP submitted this submerged area is left as non mining area and same has been shown on surface map. Moreover, PP has also submitted following table which has showing after leaving non mining area due to water submergence desirable quantity of sand is available:

During presentation as per Google image based on coordinates provided by PP, it was observed that very small portion (approx 02.16 ha) of the lease is submerged in the water in the east side of the lease in the google image of October,2021. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map but if the image of lean season (google image of May,2020) no area is submerged in the water.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 2,85,855 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-Bअनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-



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1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत—2,85,855 घनमीटर प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेंगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में कैपिटल राशि रु. 20.05 लाख एवं रिक्रिंग राशि 04.31 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 03.00 लाख :-

Sr no	Proposed Activity	Amount
1.	Following Medical equipments donation in CHC Rehti . Autoclave (Vertical) 12*15	150000
2.	Airport Vision Bench (10 nos) @Rs15000	150000/-
3.	Distribution of utensils in aaganbadi of Jahajpura for cooking and dinning & toys for children	10000/-
	<b>Total</b>	<b>310000/-</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 27600 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	10,000
2	1. जहाजपुरा गाँव के समुदायिक भवन । 2. जहाजपुरा गाँव के स्कूल । 3. जहाजपुरा गाँव के आगनवाड़ी में वृक्षारोपण । 4. जहाजपुरा गाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 7300

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3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर)	नीम, पीपल, कचनार, करंज, कदंब चिरोल, आदि ट्रीगार्ड सहित।	5000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
		कुल	27600
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक बजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा। रोपण के दूसरे वर्ष से मृत पौधों का पुनर्स्थापना किया जावेगा।			

**5. Case No 8377/2021 M/s Power Mech Projects Limited, Shri Krishna Praveen Kota, Executive Director, R/o Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Bhopal - 462024 Prior Environment Clearance for Sand Quarry in an area of 20.0 ha. (78740 cum per annum) (Khasra No. 649), Village - Ninor, Tehsil - Rehti, Dist. Sehore (MP) Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 649), Village - Ninor, Tehsil - Rehti, Dist. Sehore (MP) 20.0 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 493<sup>rd</sup> SEAC dated 23/03/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 20.00 ha in Village –Ninor, Tehsil- Rehti, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation

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Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Director Geology & Mining, Madhya Pradesh vide letter no.7848/M.P cell-8/N.Sr36 /2020 dated 14/08/2020 for a production capacity of 78740 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-Patr) letter no. 1153 dated: 30/07/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.
- Mining will be carried out by Manual method by scrapping in 1.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (*Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh*)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even

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100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.

- Hence, it is concluded that the annual production capacity (78740 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 27 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no. 133 of approved DSR.
- The lease area about 3/4 is submerged in the water and mining shall be carried out in the 7.874 ha., only out of 20.0 ha., as per Mining Plan hence after leaving submerged area as no Mining area, the desired quantities of sand shall be obtained and same has shown in surface Map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 27 of page 123 & 133) is 3,60,000 m<sup>3</sup> in 20.00 ha., where as the sanctioned volume of sand as per approved mine plan is 78,740 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that the lease area about 3/4 is submerged in the water, PP stated that mining shall be carried out in the 7.874 ha., only out of 20.0 ha., as per Mining Plan hence after leaving submerged area as no Mining area, the desired quantities of sand shall be obtained and same has shown in surface map. PP further submitted that mining potential has been calculated on the basis of 60% of total sanctioned area of 20.00 ha. Moreover, PP has also submitted following table which has showing after leaving non mining area due to water submergence desirable quantity of sand is available:

During presentation as per Google image based on coordinates provided by PP, it was observed that lease is partially submerged in the water in the east side of the lease in the

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google image of October,2021. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 74,803 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development and evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई। परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-74,803 घनमीटर प्रति वर्ष।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 19.07 लाख एवं रिक्रिंग राशि रु. 02.07 लाख प्रति वर्ष।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 01.63 लाख :-

Sr No	Proposed Activity	Amount
A	Following Medical equipments donation in Civil Hospital, Rehti	

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1.	Digital Hemoglobin meter	10000
2	Examination light led	25000
3	Mattress with pillow-10 @3200	32000
4	X-ray LED View Box With Sensor -03@4000	12000
5	Digital Hight & Weight with BMI Machine -2@21000	42000
6	Labour table with attachment	50000
7	Distribution of Toys and Cooking utensil in Anganbadi Ninor	5000
	<b>Total</b>	<b>163000</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 24000 वृक्षों का वृक्षारोपण :

क्र०	प्रस्तावित वृक्षारोपण	पौधों की प्रजातियां	मात्रा
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	<b>8000</b>
2.	1. निनोर गांव के समुदयिक भवन 2. निनोर गांव के स्कूल 3. निनोर गांव के आंगनवाड़ी में वृक्षारोपण 4. निनोर गांव के रिक्त स्थान पर	नीम, करंज, सीताफल, पीपल, कचनार, चिरोल, कदम, सिस्सू आदि ।	400 400 200 2000
3.	परिवहन मार्ग के किनारे (पेड़ों की न्यूनतम उचाई 01 मीटर)	नीम, पीपल, कचनार, करंज, कदम चिरोल आदि ट्रीगार्ड सहित ।	<b>10000</b>
4	ग्रामवासियों के वितरण हेतु	आंवला, कटहल, नीम, जामुन, सीताफल, आम, अमरुद, करोदा, एवं अन्य फलदार वृक्ष	<b>3000</b>
<b>कुल</b>			<b>24000</b>
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक बजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

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**6. Case No 8904/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 20.995 ha. (209820 Cum per annum) (Khasra No. 263/212), Village - Mahukala, Tehsil - Budhni, Dist. Sehore (MP)M/s. Creative Enviro Services, Bhopal(M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 263/212), Village - Mahukala, Tehsil - Budhni, Dist. Sehore (MP)20.995 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 20.995 ha in Village –Mahukala, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore, Madhya Pradesh vide letter no.197/Khanij/2020 dated 28/05/2020 for a production capacity of 209820 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 1154 dated 30/07/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.
- Mining will be carried out by Manual method by scrapping in 2.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.

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- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (209820 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 25 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Within the lease area some part in South East and SW side within lease area submerged in the water and mining shall be carried out in the 10.491 ha. only



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out of 20.995 ha. as per Mining Plan hence after leaving submerged area as no Mining area ,the desired quantities of sand shall be obtained and same has shown in surface Map.

- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m3) approved for this lease (at sl. No. 25 of page 123 & 133) is 3,77,910 m3 in 20.995 ha., where as the sanctioned volume of sand as per approved mine plan is 2,09,820 m3 which is less than the 60% of the total mineral potential (in m3).

During presentation as per Google image based on coordinates provided by PP, it was observed that the 50% of the lease area is submerged in the water in the SE-SW side of the lease mining shall be carried out in the 10491 ha., only out of 20.995 ha., as per approved Mining Plan, hence after leaving submerged area as no Mining area , the desired quantitt of sand shall be obtained and same has been shown in surface Map. Moreover, PP has also submitted following table which has showing after leaving non mining area due to water submergence desirable quantity of sand is available:

During presentation as per Google image based on coordinates provided by PP, it was observed that lease is partially submerged in the water in the east side of the lease in the google image of October,2021. PP submitted that this submerged area is alredy left as non mining area and same has been shown on surface map and in the lean season the water receids down.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 1,99,329 m3/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

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1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-1,99,329 घनमीटर प्रति वर्ष।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेंगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Mannual Mining) की जाये।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 17.75 लाख एवं रिकरिंग राशि रु. 04.01 लाख प्रति वर्ष।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 3.0 लाख :-

Sr no	Proposed Activity	Amount
1.	Followinf Medical equipments donation in HSC Hospital Shahganj . 1) Digital Hemoglobin meter	10000
2.	Examination light led	25000/-
3	Mattress with pillow-10 @3200	32000
4	X-ray LED View Box With Sensor -03@4000	12000
5	Digital Hight & Weight with BMI Machine -2@21000	42000
6	Labour table with attachment	50000
7	In the village primary school paver blocks and boundary wall shall be prepared and also maintenance of CC road near mine area. (Village Mahukala)	130000
	<b>Total</b>	<b>300000</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 24000 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा,	6600

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		जामुन, करंज, शहतूत आदि ।	
2	1. महुकला गॉव के समुदायिक भवन । 2. महुकला गॉव के स्कूल । 3. महुकला गॉव के आगनवाड़ी में वृक्षारोपण । 4. महुकला गॉव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 4700
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	5000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	9000
कुल			25600
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**7. Case No 8419/2021 M/s Power Mech Projects Limited, Shri Krishna Praveen Kota, Executive Director, R/o Flat No. 248, Sector-2, Shakti Nagar, Habibganj, Bhopal - 462024 Prior Environment Clearance for Sand Quarry in an area of 16.667 ha. (78760 cum per annum) (Khasra No. 352/340), Village – Baghwada-2, Tehsil - Budhni, Dist. Sehore (MP). Env. Consultant M/s. Amaltas Enviro Industrial Consultants LLP, Gurugram.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 352/340), Village – Baghwada-2, Tehsil - Budhni, Dist. Sehore (MP) 16.667 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 495<sup>th</sup> SEAC dated 01/04/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

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- The mine lease of river sand mine on Narmada River is spread over an area of 16.667 ha in Village –Baghwada-02, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by DGM , MP vide letter no. 7820/MP Cell no.8/n.SR.41/2020 dated 14/08/2020 for a production capacity of 78760 m<sup>3</sup> per year.
- Collector Office (Ekal Pramanpatra) letter no. 2616 dated: 19/03/2021 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 55.016 ha., including this mine.
- Mining will be carried out by Manual method by scrapping in 1.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary

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10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.

- Hence, it is concluded that the annual production capacity (78760 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 11 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Within the lease area substantial part in South west to South East within lease area are submerged in the water and mining shall be carried out in the 7.876 ha. Only out of 16.667 ha. as per Mining Plan hence after leaving submerged area as no Mining area, the desired quantities of sand shall be obtained and same has shown in surface Map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 11 of page 123 & 133) is 3,00,006 m<sup>3</sup> in 16.667 ha., where as the sanctioned volume of sand as per approved mine plan is 78,760 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that lease is partially submerged in the water from the southern side of the lease in the google image of January, 2021. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map and in the lean season the water recedes down.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 74,822 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.

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2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

- 1) अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-74,822 घनमीटर प्रति वर्ष ।
- 2) खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
- 3) रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये ।
- 4) पर्यावरण प्रबंधन योजना मद में कैपिटल राशि रु. 48.48 लाख एवं रिकरिंग राशि रु. 2.07 लाख प्रति वर्ष ।
- 5) सी.ई.आर मद में निम्नानुसार राशि रु. 2.120 लाख :-

Sr No	Proposed Activity	Amount
1	Followinf Medical equipments donation in PSC Hospital , Bagwada 1) Digital hb meter-2@10000	20000
2	Airport Vision bench-2@15000	30000
3	Fogger machine with chemical-2@25000	50000
4	Digital Hameoglobino meter-2@10000	20000
5	Digital Hight & Weight with BMI Machine -2@21000	42000
6	Toilet -02 @Rs. 25,000/	50000
7	Distribution of Toys, and Cooking utensil in Anganbadi Nahlai	5000
	<b>Total</b>	<b>217000</b>

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5. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 20000 वृक्षों का वृक्षारोपण :

क्र०	प्रस्तावित वृक्षारोपण	पौधों की प्रजातियां	मात्रा
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	5000
2.	1. बघवाड़ा गांव के समुदायिक भवन 2. बघवाड़ा गांव के स्कूल 3. बघवाड़ा गांव के आंगनवाड़ी में वृक्षारोपण 4. बघवाड़ा गांव के रिक्त स्थान पर	नीम, करंज, सीताफल, पीपल, कचनार, चिरोल, कदम, सिस्सू आदि ।	300 400 300 2000
3.	परिवहन मार्ग के किनारे	नीम, पीपल, कचनार, करंज, कदम चिरोल आदि ट्रीगार्ड सहित ।	7000
4	ग्रामवासियों के वितरण हेतु	आंवला, कटहल, नीम, जामुन, सीताफल, आम, अमरुद, करोदा, एवं अन्य फलदार वृक्ष	5000
		<b>कुल</b>	<b>20000</b>
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

8. **Case No 8903/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 18.107 ha. (180000 Cum per annum) (Khasra No. 352/340), Village – Baghwada-1, Tehsil - Budhni, Dist. Sehore (MP) Env. Consultant M/s. Creative Enviro Services, Bhopal(M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 352/340), Village – Baghwada-1, Tehsil - Budhni, Dist. Sehore (MP) 18.107 ha. The project requires prior EC before commencement of any activity at site.

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Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 18.107 ha in Village –Baghwada-1, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore, Madhya Pradesh vide letter no.3521/Khanij/2021 dated 6/12/2021 for a production capacity of 1, 80,000 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 1382 dated 25/08/20 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 55.016 ha., including this mine including this mine
- Mining will be carried out by Manual method by scrapping in 2.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly



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undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)

- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- The Annual Replenished Sand in Narmada River is 71,065,65.60 m<sup>3</sup>/year . (As Per DSR Sehore),
- Hence, it is concluded that the annual production capacity (1,80,000 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 10 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Within the lease area substantial part in South west to South East within lease area are submerged in the water and mining shall be carried out in the 9.25 ha. Only out of 18.107 ha. as per Mining Plan hence after leaving submerged area as no Mining area, the desired quantities of sand shall be obtained and same has shown in surface Map.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 10 of page 123 & 133) is 3,25,926 m<sup>3</sup> in 18.107 ha., whereas the sanctioned volume of sand as per approved mine plan is 1,80,000 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

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During presentation as per Google image based on coordinates provided by PP, it was observed that lease is partially submerged in the water from the southern side of the lease in the google image of January, 2021. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map and in the lean season the water recedes down.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 1,71,000 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टैण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-1,71,000 घनमीटर प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेंगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Mannual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 17.40 लाख एवं रिक्रिंग राशि रु 04.82 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु0 02.51 लाख :-

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<b>Sr no</b>	<b>Proposed Activity</b>	<b>Amount</b>
1.	Followinf Medical equipments donation in HSC Hospital Bagwada- . 1) Digital Hemoglobin meter.	10000.00
2.	Examination light led	25000.00
3	Mattress with pillow-10 @3200	32000.00
4	Distribution of cooking and dinning utensils and toys for children in Aaganbadi of baghwada	12000.00
5	Digital Hight & Weight with BMI Machine -2@21000	42000.00
6	Labour table with attachment	50000.00
7	Labour Table with wheel and thigh support (Remote operated - 01@80000)	80000.00
	<b>Total</b>	<b>251000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 21,600 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	6600
2	1. बघवाड़ा गौव के समुदायिक भवन । 2. बघवाड़ा गौव के स्कूल । 3. बघवाड़ा गौव के आगनवाड़ी में वृक्षारोपण । 4. बघवाड़ा गौव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 3700
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	6000

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4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
		कुल	21600
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक बजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**9. Case No 8908/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 16.187 ha. (216000 Cum per annum) (Khasra No. 893/852, 852), Village - Sardarnagar, Tehsil - Budhni, Dist. Sehore (MP) Env. Consultant M/s. Creative Enviro Services, Bhopal (M.P.)**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 893/852, 852), Village - Sardarnagar, Tehsil - Budhni, Dist. Sehore (MP) 16.187 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 16.187 ha in Village –Sardarnagar, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

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- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore , Madhya Pradesh vide letter no.3537/Khanij/2021 dated 6/12/2021 for a production capacity of 216000 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 1155 dated 30/07/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 M. tons/Year.

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- Hence, it is concluded that the annual production capacity (216000cum) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 28 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Working as per approved mine plan.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 28 of page 123 & 133) is 2,91,366 m<sup>3</sup> in 16.187 ha., where as the sanctioned volume of sand as per approved mine plan is 2,16,000 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that there is no submergence area.

After presentation and deliberation, PP was asked to submit following information:

1. Proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई। परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-2,16,000 घनमीटर प्रति वर्ष।

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2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु.14.69 लाख एवं रिक्रिंग राशि रु. 03.96 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 02.94 लाख :-

Sr no	Proposed Activity	Amount
1.	Followinf Medical equipments donation in PSC Hospital Budhni 1) Digital Hemoglobin meter	10000.00
2.	Examination light led	25000.00
3	Mattress with pillow-10 @3200	32000.00
4	Distribution of utensils for cooking and dinning in nearby Aaganbadi	12000.00
5	Digital Hight & Weight with BMI Machine -2@21000	42000.00
6	Labour table with attachment	50000.00
7	Airport vision bench -05@15000	75000.00
8	B.P Instrument omron HBP-1320Model (Commercial)-2@10000	20000.00
9	Digital hb meter -2@10000	20000.00
	X xay LED View Box With Sensor-2@4000	8000.00
	<b>Total</b>	<b>294000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 19,200 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	5000
2	1. सरदारनगर गाँव के समुदायिक भवन । 2. सरदारनगर गाँव के स्कूल । 3. सरदारनगर गाँव के आगनवाड़ी में वृक्षारोपण । 4. सरदारनगर गाँव के रिक्त	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 3900

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	स्थान पर ।		
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	5000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
कुल			19200
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**10. Case No 8901/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 15.0 ha. (202380 Cum per annum) (Khasra No. 155/1/1), Village - Janwasa-4, Tehsil - Budhni, Dist. Sehore (MP)M/s. Creative Enviro Services, Bhopal (M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal.**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 155/1/1), Village - Janwasa-4, Tehsil - Budhni, Dist. Sehore (MP)15.0 Ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup>SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 15.0 ha in Village –Janwasa, Tehsil-Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation



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Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.

- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore , Madhya Pradesh vide letter no. 3527/Khanij/2021 dated 06/12/2021 for a production capacity of 202380 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 3727 dated 06/12/2021 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 59.00 ha., including this mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even

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100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.

- Hence, it is concluded that the annual production capacity (202380 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 23 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Working as per approved mine plan.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 23 of page 123 & 133) is 2,70,000 m<sup>3</sup> in 15.00 ha., where as the sanctioned volume of sand as per approved mine plan is 2,02,380 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that there is no submergence seen.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा

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पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टैण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-2,02,380 घनमीटर प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Mannual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 14.85 लाख एवं रिकरिंग राशि रु. 04.76 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 03.00 लाख

Sr no	Proposed Activity	Amount
1.	Followinf Medical equipments donation in PSC Hospital , Shahganj . 1) Digital Hemoglobin meter	10000
2.	Examination light led	25000/-
3	Mattress with pillow-10 @3200	32000
4	X-ray LED View Box With Sensor -03@4000	11000
5	Digital Hight & Weight with BMI Machine -2@21000	42000
6	Labour table with attachment	50000
7	Labour table with wheel and thigh support (Remote Operated)-01@80000	80000
8	Maintenance of village road	50,000
	<b>Total</b>	<b>300000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 18000 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	6000

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2	1. जनवासा गाँव के समुदायिक भवन । 2. जनवासा गाँव के स्कूल । 3. जनवासा गाँव के आगनवाड़ी में वृक्षारोपण । 4. जनवासा गाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 3700
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदंब चिरोल, आदि ट्रीगार्ड सहित ।	3000
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
कुल			18000
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**11. Case No 8905/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 10.0 ha. (180000 Cum per annum) (Khasra No. 155/1/1), Village - Janwasa-3, Tehsil - Budhni, Dist. Sehore (MP)M/s. Creative Enviro Services, Bhopal(M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 155/1/1), Village - Janwasa-3, Tehsil - Budhni, Dist. Sehore (MP)10.0 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup>SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

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- The mine lease of river sand mine on Narmada River is spread over an area of 10.00 ha in Village –Janwasa-3, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore , Madhya Pradesh vide letter no.3532/Khanij/2021 dated 6/12/2021 for a production capacity of 180000 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 3778 dated 24/12/21 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 59.00 ha., including this mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)
- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will be leads to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even

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100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.

- Hence, it is concluded that the annual production capacity (180000 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 22 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Working as per approved mine plan.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 22 of page 123 & 133) is 1,80,000 m<sup>3</sup> in 10.00 ha., where as the sanctioned volume of sand as per approved mine plan is 1,80,000 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that lease is partially submerged in the water from the south-east side of the lease in the google image. PP submitted that this submerged area is already left as non mining area and same has been shown on surface map and in the lean season the water recedes down.

Committee recommends that considering safety and to avoid instream mining, additional 05% volume shall be deducted and recommended volume for EC shall be 1,71,000 m<sup>3</sup>/year.

After presentation and deliberation, PP was asked to submit following information:

1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.

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4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई। परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-1,71,000 घनमीटर प्रति वर्ष।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माइनिंग (Only Mannual Mining) की जाये।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 11.68 लाख एवं रिकरिंग राशि रु. 04.24 लाख प्रति वर्ष।
5. सी.ई.आर मद में निम्नानुसार राशि रु 01.71 लाख :-

Sr no	Proposed Activity	Amount
1.	Following Medical equipments donation in PSC Hospital Budhni . 1) Digital Hemoglobin meter	10000.00
2.	Examination light led	25000.00
3	Mattress with pillow-10 @3200	32000.00
4	Distribution of utensils for cooking and dinning and toys for children in nearby Aaganbady	12000.00
5	Digital Hight & Weight with BMI Machine -2@21000	42000.00
6	Labour table with attachment	50000.00
	Total	<b>171000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 12000 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
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1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि ।	4000
2	1. जनमासा गाँव के समुदायिक भवन । 2. जनमासा गाँव के स्कूल । 3. जनमासा गाँव के आगनवाड़ी में वृक्षारोपण । 4. जनमासा गाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदम सिस्सू आदि ।	500 400 500 1600
3	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित ।	2000
4	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	3000
कुल			12000
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**12. Case No 8906/2021 M/s Power Mech Projects Limited, House No. 248, Shakti Nagar, Dist. Bhopal, MP - 462022 Prior Environment Clearance for Sand Quarry in an area of 12.950 ha. (1,98,300 Cum per annum) (Khasra No. 104/2), Village - Somalwada, Tehsil - Budhni, Dist. Sehore (MP)M/s. Creative Enviro Services, Bhopal(M.P.) Env. Consultant M/s. Creative Enviro Services, Bhopal**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 104/2), Village - Somalwada, Tehsil - Budhni, Dist. Sehore (MP)12.950 ha. The project requires prior EC before commencement of any activity at site.

Earlier this case was scheduled for presentation and discussion in 543<sup>rd</sup> SEAC dated 27/01/2022 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.



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The case was presented by Consultant Shri Mukesh Kaore and PP Mr. Mukesh Tiwari. PP and their consultant presented the EIA before the committees, PP stated following points:

- The mine lease of river sand mine on Narmada River is spread over an area of 12.950 ha in Village –Somalwada, Tehsil- Budhni, Dist- Sehore, State - Madhya Pradesh.
- The Letter of Intent for the lease has been granted to Project Proponent M/s Power Mech Projects Limited by the Madhya Pradesh State Mining Corporation Limited, Bhopal vide Sr /sand/2020/588 date 10/02/2020 as per the provisions of M.P. State Sand Mining Policy – 2019.
- Mine Plan and Replenishment Study Plan has been approved by Collector Sehore ,Madhya Pradesh vide letter no.3537/Khanij/2021 dated 6/12/2021 for a production capacity of 198300 m<sup>3</sup> per year.
- Collector Office (Ekal Praman-patra) letter No. 1156 dated 30/07/20 has reported that there are no more mines operating or proposed within 500 meters around the said mine.
- Mining will be carried out by Manual method by scrapping in 3.00 m layers and loading on tractor /trolley will be adopted. No drilling & blasting is needed as the project is for sand mining.
- The mine site is a non-agricultural government land.
- The minerals will be transported to specific destination through tarpaulin covered trucks/dumpers.
- The Narmada River is a river flowing from east to west. It is the biggest flowing river to the west).
- The origin of the river is a tiny reservoir named as Narmada Kund, which is situated on the Amarkantak Hill in Anuppur District of East Madhya Pradesh at an elevation of 1,057 m (3,467.8 ft).
- In the Sehore district the Narmada basin valley comprises an area of about 3295 Km<sup>2</sup>. The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The northern boundary is marked by low-lying hills and or high grounds. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m.

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above m.s.l. The ground slopes from north to south and east to west. (Ref. Ground Water Information Booklet, Sehore district Madhya Pradesh)

- The Average rainfall of Sehore district is 1139.3 mm. The district receives high rainfall mostly during July to September which will lead to the deposition of the sufficient quantity of the sand every year within the old working area.
- Dandy Bolton Formula has category stated use of the equation to predict sediment yield for a specific location would not be always correct because of the wide variability caused by local factors not considered in the equation development. Actual sediment yield from individual drainage basins may vary 10-fold or even 100-fold computed yields. On the basis of Dandy Bolton formula with 50 fold the Sediment Yield is 71,065,65.60 m<sup>3</sup>/year.
- Hence, it is concluded that the annual production capacity (198300 m<sup>3</sup>/year) which will be excavated at the QL area will be replenished easily during monsoon season.
- The details of this proposed lease is mentioned in Sehore District Survey Report at serial no 30 on page no 123 and as per the approved DSR, (approved by Sub Divisional Committing, Sehore constituted for this purpose & by SEIAA in their 725<sup>th</sup> meeting dated 23/05/2022.), the desired quantities of sand is deposited in the sanctioned lease area.
- As per table “Details of the concession area in the district”, the minable mineral potential (in m<sup>3</sup>) i.e. 60% of the total minable area is commensurate with the post monsoon replenished volume mentioned in page no.133 of approved DSR.
- Working as per approved mine plan.
- As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 30 of page 123 & 133) is 2,33,100 m<sup>3</sup> in 12.950 ha., whereas the sanctioned volume of sand as per approved mine plan is 1,98,300 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

During presentation as per Google image based on coordinates provided by PP, it was observed that there is no submergence seen mining area.

After presentation and deliberation, PP was asked to submit following information:

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1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

परियोजना प्रस्तावक द्वारा प्रस्तुतीकरण के दौरान चाही गई जानकारी दिनांक 28/05/22 द्वारा दी गई, जिसे समिति के समक्ष प्रस्तुत किया गया जो संतोषजनक पाई गई । परियोजना प्रस्तावक द्वारा पर्यावरण प्रबंधन योजना एवं अन्य प्रस्तुत की गई जानकारी संतोषजनक एवं स्वीकार्य योग्य होने से समिति द्वारा विशिष्ट शर्तों एवं स्टेण्डर्ड शर्तों संलग्नक-B अनुसार पूर्व पर्यावरणीय स्वीकृति जारी करने की अनुशंसा करती है :-

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत-1,98,300 घनमीटर प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Manual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में केपीटल राशि रु. 14.39 लाख एवं रिकरिंग राशि रु. 03.96 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 02.66 लाख :-

Sr no	Proposed Activity	Amount
1.	Following Medical equipments donation in PSC Hospital Budhni . 1) Digital Hemoglobin meter	10000
2.	Examination light led	25000
3	Mattress with pillow-10 @3200	32000
4	Distribution of utensils for cooking and dinning and toys for children in nearby Aaganbady	12000
5	Digital Hight & Weight with BMI Machine -2@21000	42000

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6	Labour table with attachment	50000
7	Height & weight machine Manual-5@4000	20000
8	Examination light Led-03@	75000
	<b>Total</b>	<b>2,66,000.00</b>

6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत् सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 15,600 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि।	5000
2	1. सुमलवाड़ा गाँव के समुदायिक भवन । 2. सुमलवाड़ा गाँव के स्कूल । 3. सुमलवाड़ा गाँव के आगनवाड़ी में वृक्षारोपण । 4. सुमलवाड़ा गाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	500 400 500 1600
3	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदंब, चिरोल, आदि ट्रीगार्ड सहित ।	2600
4	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	5000
कुल			15600
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**13. Case No 9173/2022 M/s Power Mech Projects Limited, Shri Mukesh Kumar Tiwari, Authorized Person, Plot No. 77, Jublee Enclave, Opp. Hitex, Madhapur, Dist. Hyderabad - 500081, Prior Environment Clearance for Sand Quarry in an area of 4.0 ha. (19600 Cum per annum) (Khasra No. 1), Village - Badgaon - 3, Tehsil - Nasrullaganj, Dist. Sehore (MP)**

This is case of Sand Quarry. The application was forwarded by Online SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1), Village - Badgaon - 3, Tehsil - Nasrullaganj, Dist. Sehore (MP) 4.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR & EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 2546 dated 28.09.21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. During appraisal it was observed by the committee that part of the lease area is partially submerged in water. PP submitted that being a river Narmada River hence manual mining shall be carried out and sand will be evacuated only from the dry area only as per the sand mining guidelines issued by the MoEF&CC. Further PP submitted that out of allocated area of 04.00 ha, mining operation shall be conducted only in the 1.63 ha., as per mining plan and same has shown in surface map. PP further submitted that this volume is replenished as per the details provided in the approved mine plan. In the remaining 01.63 ha area with sanctioned depth of 02 meters, sanctioned quantity of sand can be evacuated. PP further submitted that mining potential has been calculated on the basis of 60% of total sanctioned area of 4.00 ha. As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 09 of page 123 & 133) is 72,000 m<sup>3</sup> in 4.00 ha., where as the sanctioned volume of sand as per approved mine plan is 19,600 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>).

As per above committee observed that 19,600 m<sup>3</sup> sand can be evacuated every year but considering safety and partial submergence of river, additional 05% volume shall be deducted and recommended volume for EC shall be 18,620 m<sup>3</sup>/year.

After presentation committee asked PP to submit response on following issues such as:

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1. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
2. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.
3. Evacuation route marked on Google map.
4. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

PP vide their letter dated 28/05/2022 submitted query reply. Committee observed that even after deducting the volume of sand in the non- mining area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत –18,620 मी<sup>3</sup> प्रति वर्ष ।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of equatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे ।
3. रेत खनन का प्रकरण नर्मदा नदी में होने के कारण सिर्फ मेन्युअल माईनिंग (Only Mannual Mining) की जाये ।
4. पर्यावरण प्रबंधन योजना मद में कैपिटल राशि रु. 05.78 लाख एवं रिक्रिंग राशि रु. 01.56 लाख प्रति वर्ष ।
5. सी.ई.आर मद में निम्नानुसार राशि रु. 01.30 लाख :-

क्रं	प्रस्तावित गतिविधि	राशि (रु.)
1.	शासकीय प्राथमिक शाला में बड़गांव में 20 बेंच व 5 कुर्सियों की व्यवस्था	25000.00
2.	प्राथमिक स्वास्थ्य केंद्र पर आवश्यकतानुसार सामग्री का वितरण	10000.00
3.	बड़गांव आगनवाड़ी में बर्तन एवं बच्चों के खेलौने हेतु	5000.00
	कुल	1,30,000.00

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6. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 4800 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा, जामुन, करंज, शहतूत आदि।	1300
2	1. बड़गाँव के समुदायिक भवन। 2. बड़गाँव के स्कूल। 3. बड़गाँव के आगनवाड़ी में वृक्षारोपण। 4. बड़गाँव के रिक्त स्थान पर।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, जंगल जलेबी, सिस्सू आदि।	100 100 200 600
3	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदम, चिरोल, आदि ट्रीगार्ड सहित।	2000
4	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	500
कुल			4800
लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक वजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा। रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा।			

**14. Case No 9174/2022 M/s Power Mech Projects Limited, Shri Mukesh Kumar Tiwari, Authorized Person, Plot No. 77, Jublee Enclave, Opp. Hitex, Madhapur, Dist. Hyderabad - 500081, Prior Environment Clearance for Sand Quarry in an area of 5.0 ha. (60000 Cum per annum) (Khasra No. 177/166), Village - Matagaon Tehsil - Rehti, Dist. Sehore (MP)**

This is case of Sand Quarry. The application was forwarded by Online SEIAA to SEAC for appraisal. The proposed site (Khasra No. 177/166), Village - Matagaon Tehsil - Rehti, Dist. Sehore (MP) 5.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by PP and their Consultant. During presentation, PP showed various documents such as lease sanction order, Janpad Panchyat, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, PFR &

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EMP for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-Patra) letter No. 1396 dated 17.05.2022 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per the approved DSR, minable mineral potential, 60% of the total mineral potential (in m<sup>3</sup>) approved for this lease (at sl. No. 31 of page 123 & 133) is 90,000 m<sup>3</sup> in 5.00 ha., where as the sanctioned volume of sand as per approved mine plan is 60,000 m<sup>3</sup> which is less than the 60% of the total mineral potential (in m<sup>3</sup>). During appraisal it was observed by the committee that the lease is located on the sand island where Narmada River is flowing upper and lower part of the island hence evacuation of sand is difficult without obstructing active flowing channel of the river. PP submitted the for evacuation of sand, they have proposed conveyer belt which will be laid across the river of approx. 160 meter long and will be operated through electricity. PP further submitted that the proposal of evacuation of sand through conveyer belt is approved by Collector Sehore in mine plan vide letter no. 1127 dated 28/04/22 as per MP Sand (Mining, Transportation, Storage & Trade) Rule, 2019.

Committee observed that as per approved mine plan on page no. 18 it is stated that “Mine area is part of a stream belt and surrounded by active channels of Narmada River forming an island where the deposition of sand has taken place. There is no soil cover and over burden found in the area. Excavated/mined out material (sand) will be loaded and transported through the conveyer belt to the collection point on river bank and then from the collection point it will directly be transported via dumpers/trolleys to the end users”. PP submitted that the conveyer belt will only be used for evacuation of sand from one part of lease to the other part of river (i.e. Northern bank) and all other mining activities such as digging, loading sand on conveyer belt will be done manually. PP further submitted that conveyer belt in this case is environmentally friendly activity as this will not allow any vehicles (such as tractor trolley) to move on river bank and thus saving natural habitat and will not be operated during monsoon season.

The committee considering the sensitivity proposed that:

- ✓ No shelter with any amenity like temporary toilets should be constructed in the mine site.
- ✓ The conveyors which will be pulley based shall be covered with tray so no chances of oil & greases spill in the river.
- ✓ 04 PTZ camera (with minimum 30 days recording facility) in all directions shall be deployed for continuous monitoring.
- ✓ 10 meters clear space from the border (bank) of the island should not be disturbed in any way.



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- ✓ No other new lease shall be allotted on this island (i.e. at any time only one mine shall be operated).
- ✓ Precautions shall be taken to avoid other activities such as fishing.

After presentation and deliberation, PP was asked to submit following information:

1. Precautionary measures for proposed conveyor belt.
2. Revised post Monitoring programme
3. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).
4. Revised plantation scheme alongwith proposal for planting Khas slips, Nagarmotha, Katang Bamboo on the river banks to prevent soil erosion as suggested by the committee.
5. Revised EMP incorporating expenditure to be incurred on development sand evacuation route as suggested by the committee.

PP vide their letter dated 28/05/2022 submitted query reply. Regarding precautionary measures PP submitted following points:

- As per sand mining guideline 2016 and 2020, we have to maintain the flow of river and in no condition active river stream can be restricted to maintain the undisturbed flow of the river on both side of the lease, hence we are proposing sand evacuation by the electrically operated conveyor belt which is approved by the mining plan by the competent authority. All the mining work including digging of pit, storage within lease area, loading and unloading on conveyor belt will be done manually. No vehicle, tractor will be allowed to reach on the lease area which will be reduced the air pollution, bank compaction.
- Excavated / mined out material (sand) will be loaded and transported through the conveyor belt to the collection point on river bank and then from the collection point it will directly be transported via dumpers/trolleys to the end users.
- Since proposed lease is surrounded by active channels of Narmada River, access to the site for manpower and hand tools as well as transportation of the product is an important aspect of mining and can only be made by boats. Attempts can also be made to utilise small vehicles (tractor trolleys) for crossing the shallow active stream for product transportation but this option may impact in-stream aquatic environment of the river and disturb the stream flow significantly, therefore, it is proposed to transport the sand from the site up to the collection/discharge point on river bank via conveyor belt only.

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- A mobile conveyor belt shall be installed and rest upon both sides of northern channel. One end shall rest upon near the lease area (loading point), while other end resting on the northern bank (discharge point). For transportation of sand from lease area up to collection point, only conveyor belt shall be used
- Two floating boats/drums shall be arranged in order to provide proper alignment and levelling of conveyor belt over active river channel (if necessary) without disturbing its natural course
- On the mine side, labour shall load the sand on the belt with the help of hand shovels which shall be transported via belt to the other side (discharge point) where the sand shall be again loaded to the trucks
- Electricity for operating the conveyor belt shall be arranged through a DP connected by a nearest MPEB line and privately owned harder surface shall be selected for the installation of DP (Motor) on the northern bank
- The site shall be accessible via hollow drums/ Boat/boats only for labour and hand tool
- Catch Tray at down side of conveyor belt shall be provided to arrest the silt and grease in case of spillage.
- While using the conveyor belt for transport, sand spillage and dust generation may be cause of worry as sand to be transported across the active river channel and spillage on the active stream may block the river flow or divert the stream, adversely impacting the instream aquatic life and other environmental parameters. The following points shall be monitored for avoiding spillage and dust generation while handling of sandy material with the use of a belt conveyor:
  - Belt wandering, or misalignment is the major cause of spillage, which shall be monitored regularly
  - Idlers and pulleys should be aligned, leveled and square to centerline prior to loading the belt,
  - The correct loading of the belt should be distributed in the centre of the belt,
  - Dust managing on conveyor belt shall be done either by covering or wetting as mentioned below:
    - Covering is basically by shrouding the conveyor belt at transfer points.
    - Wetting with water alone is also commonly attempted using directional sprays or even misted water sprayed directly onto the material
  - Above concept of sand transport by belt conveyor has been proposed and dust management during site operation has been explained.

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PP has submitted the response of above quarries same date vide letter dated 08.02.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'B':

1. अनुमोदित खनन योजना अनुसार अधिकतम उत्पादन क्षमता रेत – 60,000 मी<sup>3</sup> प्रति वर्ष।
2. खदान संचालन शुरू करने के पहले परियोजना प्रस्तावक जिला मत्स्य पालन विभाग अधिकारी का अभिमत प्राप्त करेगा कि खनन क्षेत्र में कोई Critical aquatic habitat of aquatic fauna तो नहीं है और यदि किसी क्षेत्र का संज्ञान होगा तो अनुकूल रोकथाम के उपाय विषय विशेषज्ञ के सुझाव अनुसार अपनाये जायेंगे।
3. पर्यावरण प्रबंधन योजना मद में कैपिटल राशि रु. 20.79 लाख एवं रिक्रिंग राशि रु. 10.97 लाख प्रति वर्ष।
4. सी.ई.आर मद में निम्नानुसार राशि रु. 07.20 लाख :-

Commitment towards public hearing Issue in terms of Physical Target		
SN	Issues	Cost in Rs
Providing infrastructure support to the Matagaon Village	One kitchen room with platform, 2 Toilet at Govt. Primary School, Matagaon with facility of water through bore well at School. 5KW solar panel with power back-up.	6.00
Matagaon Anganwadi	Distribution of utensil & toys	0.50
Infrastructure to PHC	Provision of radiant warmer and Split AC ( 1.5 Tonne) to the PHC at Nasrullahganj	0.70
<b>Total</b>		<b>7.20</b>

5. निम्नानुसार वृक्षारोपण कार्यक्रम अनुसार (सतत सिंचाई, 3 वर्ष तक मृत पौधों का बदलाव तथा खनन अवधि तक रख-रखाव के साथ) कम से कम 6000 वृक्षों का वृक्षारोपण :

क्रमांक	प्रस्तावित वृक्षारोपण के लिए नियत स्थान	पौधों की प्रजाति	मात्रा (संख्या में)
1.	नदी तट के किनारे	खास घास, (6इंच x 6इंच) नगरमोथा (30इंच x 30इंच), कटंगबास, लसोड़ा,	2,000

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		जामुन, करंज, शहतूत आदि ।	
2	1. मढागाँव के समुदायिक भवन । 2. मढागाँव के स्कूल । 3. मढागाँव के आगनवाड़ी में वृक्षारोपण । 4. मढागाँव के रिक्त स्थान पर ।	नीम, सीताफल, पीपल, कचनार, करंज, चिरोल, कदंब, सिस्सू आदि ।	100 100 100 300
3.	परिवहन मार्ग (पेड़ों की न्यूनतम उचाई 01 मीटर	नीम, पीपल, कचनार, करंज, कदंब चिरोल, आदि ट्रीगार्ड सहित ।	1500
4.	ग्रामीण में पौधों का वितरण	आम, जामुन, अमरुद, आवला, कचनार, निबू, इमली, कटहल, आदि	2000
कुल			6000
टीप – लीज अवधि तक पौधों का देख-रेख कम्पनी द्वारा किया जावेगा तथा उसके बाद पंचायत / वन समिति को पौधों के देख-रेख हेतु आवश्यक बजट के साथ पौधों के देख-रेख का जिम्मा दिया जायेगा । रोपण के दूसरे वर्ष से मृत पौधों का पुर्नस्थापना किया जावेगा ।			

**15. Case No 9168/2022 M/s Rakesh Agencies, 26/52, Alfrat Ganj, Madhai Ka Bagicha, B.D. Agrawal Ward, Distt. Katni (M.P.) Prior Environment Clearance for Bauxite, Laterite Ochre & White Earth Quarry in an area of 15.78 ha. (Bauxite - 28769 Tonne per annum, Laterite - 11567 Tonne per annum, Mineral Reject - 8412 Tonne per annum, OB - 3504 Tonne per annum) (Khasra No. 43P), Village - Kumhra Judwani, Tehsil - Semariya, Dist. Rewa (MP) Env. Consultant M/s. Creative Enviro Services, Bhopal.**

This is case of Bauxite, Laterite Ochre & White Earth Quarry. The application was forwarded by Online SEIAA to SEAC for appraisal. The proposed site (Khasra No. 43P), Village - Kumhra Judwani, Tehsil - Semariya, Dist. Rewa (MP) 15.78 Ha. The project requires prior EC before commencement of any activity at site.

आज दिनांक 28/05/22 को परियोजना प्रस्तावक (ऑनलाईन) और उनकी ओर पर्यावरण सलाहकार उपस्थित हुए । परियोजना प्रस्तावक द्वारा प्रकरण से संबंधित दस्तावेज जैसे : लीज स्वीकृति पत्र, ग्राम सभा, वन मण्डलाधिकारी की एनओसी, तहसीलदार सर्टिफिकेट, अनुमोदित खनन योजना, खसरा पंचशाला, फार्म-2, जिला सर्वेक्षण रिपोर्ट, पी.एफ.आर. प्रस्तुत की गई । चूंकि प्रश्नाधीन प्रकरण मुख्य खजिन बाक्ससाइट (लीज एरिया 15.78 हे.) होने के कारण बी-1 श्रेणी के अंतर्गत आता है । प्रस्तुतीकरण के दौरान अनुमोदित माइन प्लॉन में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार प्रस्तुतीकरण के दौरान अनुमोदित माइन प्लॉन में उल्लेखित

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अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार खदान के पूर्व दिशा में 235 मीटर एवं 370 मीटर पर आबादी / बसाहट है, लीज क्षेत्र के पूर्वी भाग से कच्चा रास्ता निकल रहा है । साथ ही प्रश्नाधीन खदान में कुछ पेड़ लगे दिख रहे हैं, अतः ट्री इन्वेन्ट्री मय प्रजाति का नाम, ऊँचाई एवं गर्थ सहित ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये। उपरोक्त विवरण के परिप्रेक्ष्य में समिति इस प्रकरण में ई.आई.ए. तैयार करने हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा जारी स्टेण्डर्ड टॉर, एनेक्जर-डी में उल्लेखित मानक शर्तों व विशिष्ट शर्तों के साथ टी.ओ.आर. जारी करने की समिति अनुशंसा करती है :-

1. प्रस्तावित खदान के 2.5 किलोमीटर की परिधि में कार्यरत सभी खदानों व स्टोन केंशरो का क्यूमिलेटिव इम्पेक्ट असेसमेंट किया जाये तथा ई.आई.ए. रिपोर्ट में इसका उल्लेख किया जाये।
2. यदि भू-जल का प्रतिछेदन प्रस्तावित हो तो लीज एरिया का हाइड्रो जियोलॉजिकल अध्ययन कर ई.आई.ए. रिपोर्ट में उल्लेख करे ।
3. प्रश्नाधीन खदान के दक्षिणी-पश्चिमी क्षेत्र में कुछ पेड़ लगे दिख रहे हैं, अतः उसकी प्रजाति, ऊँचाई एवं गर्थ सहित ई.आई.ए. रिपोर्ट के साथ प्रस्तुत करें ।
4. शासकीय भूमि का वर्तमान लैंड यूज क्या है, के संबंध में सक्षम प्राधिकारी का प्रतिवेदन ई.आई.ए. रिपोर्ट के साथ प्रस्तुत करें ।
5. प्रश्नाधीन खदान के पूर्वी दिशा में लीज से कच्चा रोड़ निकल रहा है, पूर्वी दिशा में लगभग 235 मीटर एवं 370 मीटर में आबादी / बसाहट है, की संरक्षण योजना ई.आई. रिपोर्ट के साथ प्रस्तुत करें ।

### 16. जिला सर्वेक्षण रिपोर्ट, जिला सिहोर (म.प्र.)

आज दिनांक 28/05/22 को आयोजित राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक के दौरान मेसर्स पॉवर मेक प्रोजेक्ट लि., भोपाल के रेत खनिज के पर्यावरणीय अभिस्वीकृति के प्रकरणों के परीक्षण के दौरान यह ज्ञात हुआ कि जिला सिहोर की जिला सर्वेक्षण रिपोर्ट के पेज नं. 131 में खनिज रेत हेतु “माइनेवल मिनरल पोर्टेंशियल” (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेंशियल) लीजवार नहीं दिया गया है जो रेत के प्रकरणों की विवेचना एवं अनुशंसा हेतु आवश्यक है । तत्संबंध में प्रभारी खनिज अधिकारी से चर्चा की गई। उनके द्वारा बताया गया कि उनके पास यह विवरण उपलब्ध है, जिसके आधार ही कुल क्षमता अनुमानित की गई थी । अतः वे विवरण “डिटेल्स ऑफ कंसेशन एरिया इन डिस्ट्रिक्ट” में शामिल कर पुनरीक्षित जिला सर्वेक्षण रिपोर्ट प्रस्तुत कर रहे हैं ।

कार्यालय कलेक्टर (खनिज शाखा) जिला सिहोर म.प्र. ने पत्र क्रमांक-1636 दिनांक 28/05/22 के माध्यम से संशोधित जिला सर्वेक्षण रिपोर्ट प्रस्तुत कर दिये हैं । समिति चर्चा के दौरान यह अनुशंसा की कि सेक द्वारा पूर्व में जितनी भी जिला सर्वेक्षण रिपोर्ट में अनुमोदन की अनुशंसा की गई है, (जैसे : शिवपुरी, छिंदवाड़ा, छतरपुर, बालाघाट, रायसेन, डिण्डोरी

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इत्यादि) उन सभी में भी उपरोक्त जानाकारी शामिल करने हेतु एक पत्र सिया द्वारा संबंधित जिले के कलेक्टरों को प्रेषित कर दिये जाये ताकि इन जिलों के प्राप्त होने वाले रेत संबंधित प्रकरणों के पर्यावरणीय अभिस्वीकृति के प्रकरणों में निर्णय लेने में सुविधा हो सके एवं कार्यालय कलेक्टर (खनिज शाखा) जिला सिहोर म.प्र. ने पत्र क्रमांक-1636 दिनांक 28/05/22 के माध्यम से प्राप्त संशोधित जिला सर्वेक्षण रिपोर्ट की एक प्रति सिया को संलग्न कर भेजी जाये।

### 17. जिला सर्वेक्षण रिपोर्ट, जिला धार (म.प्र.) ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (सिया) ने पत्र क्रमांक 472 दिनांक 20/05/22 के माध्यम से धार जिले की जिला सर्वेक्षण रिपोर्ट राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के परीक्षण हेतु भेजी गई है जिसमें यह उल्लेखित है कि जिला कलेक्टर, धार की अनुशंसा उपरांत जिला सर्वेक्षण रिपोर्ट उप संभागीय समिति की अनुशंसा एवं जिला पोर्टल पर 21 दिन की कार्यवाही पूर्ण कर सेक समिति के परीक्षण एवं सिया कार्यालय अनुमोदन हेतु प्राप्त हुई है । उक्त जिला सर्वेक्षण रिपोर्ट, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के सदस्यों को दिनांक 20/05/22 (सॉफ्टकापी) को प्रेषित की गई थी तथा उस पर चर्चा राज्य स्तरीय मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में प्रस्तावित की गई ।

कार्यालय कलेक्टर (खनिज शाखा) जिला धार म.प्र. ने पत्र क्रमांक-774/खनिज/2022-23, दिनांक 23/05/2022 के माध्यम से अवगत कराया है कि एमपी सिया द्वारा दिनांक 20/05/2022 को किये गये मेल परिप्रेक्ष्य में, दिये गये निर्देश के पालन में, सम्पूर्ण डीएसआर पर जिला खनिज अधिकारी द्वारा हस्ताक्षर किये गये, संपूर्ण खदानों का मौका पंचनामा प्रतिवेदन तथा निवेदन है कि ई.सी में दिये गये निर्देशों के पालन में स्वीकृत खदानों पर नियमानुसार प्लांटेशन करवाया जाना शुनिश्चित किया जावेगा ।

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में धार जिले की जिला सर्वेक्षण रिपोर्ट पर चर्चा की गई । चर्चा के दौरान खनिज विभाग, धार की ओर से श्री राज गुप्ता, प्रभारी खनिज अधिकारी ऑनलाईन उपस्थित हुए जिसमें पाया गया कि :-

- ✓ चर्चा के दौरान श्री राज गुप्ता, प्रभारी खनिज अधिकारी बताया कि इस जिला सर्वेक्षण का अनुमोदन शासन द्वारा गठित समिति द्वारा किया गया है जिसकी सूचना कलेक्टर, जिला धार को उनके पत्र क्रमांक 543 दिनांक 13/4/22 के द्वारा दी गई थी, जिसकी प्रति प्रेषित की जा रही है तथा इसको आमजन की सूचना हेतु 21 दिन तक जिला पोर्टल धार पर उपलब्ध कराय गया था एवं इस दौरान कोई अभी दावा/आपत्ति प्राप्त नहीं हुए ।
- ✓ राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (सिया) ने पत्र क्रमांक 318 दिनांक

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05/05/22 के माध्यम से धार जिले की जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार अधिकांश जानकारीयों समाहित की गई है बिंदु क्रमांक-26 की जानकारी जो माईनर मिनरल (रेत छोड़कर) से संबंधित है, के अवलोकन से ज्ञात होता है कि धार जिले में हरित क्षेत्र के विकास हेतु प्रस्तावित पौधों की प्रजातियों की जानकारी दी गई है तथा पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी की तालिका एवं फोटोग्राफ प्रस्तुत किये हैं। परंतु कुछ संचालित खदानों में वृक्षारोपण की जानकारी नहीं दी गई है, जिसको अद्यतन किया जाना चाहिए। साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए।

- ✓ इसी प्रकार जिले में स्वीकृत/प्रस्तावित खदानों को को-आर्डिनेट के अनुसार डिजिटल मैप (आर्क व्यू / गूगल अर्थ कम्पैटेबल – सी.डी.में) भी संलग्न किया जाये ताकि पर्यावरण अभिस्वीकृति के समय खदानों की सही स्थिति ज्ञात करने में तथा 500 मीटर के अंदर स्थित अन्य स्वीकृत खदानों की जानकारी प्राप्त करने में सुविधा हो।
- ✓ इसी प्रकार जिला सर्वेक्षण रिपोर्ट के पेज नं. 117 टेबिल क्रमांक-33 में खनिज रेत हेतु “माइनेबल मिनरल पोटेन्शियल” (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोटेन्शियल) लीजवार (लम्बाई एवं चौड़ाई के साथ) नहीं दिया गया है जो पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/7/18 के अनुसार दिया जाना आवश्यक है।

चर्चा उपरांत समिति की यह अनुशंसा है कि धार जिले की जिला सर्वेक्षण रिपोर्ट को समिति द्वारा सुझाई गई उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 के अनुसार पुनः प्रस्तुत की जाये। ऑन लाईन उपस्थित श्री श्री राज गुप्ता, प्रभारी खनिज अधिकारी को भी उपरोक्त संदर्भ में समझाईश दी गई तथा उनको यह भी अवगत कराया गया कि अन्य जिलों की जो जिला सर्वेक्षण रिपोर्ट सिया द्वारा अनुमोदित की गई हैं, उनका अध्ययन कर धार जिले की जिला सर्वेक्षण रिपोर्ट को अद्यतन कर लें। तदनुसार प्रकरण आगामी कार्यवाही राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण की ओर अग्रिम कार्यवाही हेतु प्रेषित है।

### **18.जिला सर्वेक्षण रिपोर्ट, जिला अनूपपुर (म.प्र.) ।**

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 468 दिनांक 20/05/22 के माध्यम से अनूपपुर जिले की जिला सर्वेक्षण रिपोर्ट राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के परीक्षण हेतु भेजी गई है, जिसमें यह उल्लेखित है कि जिला कलेक्टर, अनूपपुर की अनुशंसा उपरांत जिला सर्वेक्षण रिपोर्ट उप संभागीय समिति की अनुशंसा एवं जिला पोर्टल पर 21 दिन की कार्यवाही पूर्ण कर सेक समिति के परीक्षण एवं सिया कार्यालय अनुमोदन हेतु प्राप्त हुई है। उक्त जिला सर्वेक्षण रिपोर्ट, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के सदस्यों को दिनांक

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24/05/22 (सॉफ्टकापी) को प्रेषित की गई थी तथा उस पर चर्चा राज्य स्तरीय मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में प्रस्तावित की गई ।

कार्यालय कलेक्टर (खनिज शाखा) जिला अनूपपुर म.प्र. ने पत्र 942 दिनांक 19/05/22 के माध्यम से अवगत कराया है कि इस जिला सर्वेक्षण रिपोर्ट पर सुझाव आमंत्रित करने बावत् उसे जिले के पोर्टल पर को अपलोड किया गया था तथा 21 दिन के भीतर कोई आपत्ति/सुझाव प्राप्त नहीं हुए। इस जिला सर्वेक्षण रिपोर्ट का अनुमोदन जिला स्तर पर गठित समिति की बैठक दिनांक 27/4/22 को किया गया ।

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में अनूपपुर जिले की जिला सर्वेक्षण रिपोर्ट पर चर्चा की गई, चर्चा के दौरान खनिज विभाग, अनूपपुर की ओर से सुश्री आशा लता, प्रभारी खनिज अधिकारी ऑनलाईन उपस्थित हुए जिसमें पाया गया कि :—

- ✓ राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 468 दिनांक 20/05/22 के माध्यम से अनूपपुर जिले की जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार अधिकांश जानकारियाँ समाहित की गई है बिंदु क्रमांक-26 की जानकारी जो माईनर मिनरल (रेत छोड़कर) से संबंधित है, के अवलोकन से ज्ञात होता है कि अनूपपुर जिले में हरित क्षेत्र के विकास हेतु प्रस्तावित पौधों की प्रजातियों की जानकारी दी गई है तथा पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी की तालिका एवं फोटोग्राफ प्रस्तुत किये हैं परंतु संचालित खदानों में वृक्षारोपण की जानकारी नहीं दी गई है, जिसको अद्यतन किया जाना चाहिए । साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए ।
- ✓ इसी प्रकार जिले में स्वीकृत/प्रस्तावित खदानों के को-आर्डिनेट के अनुसार डिजिटাইज मेप (आर्क व्यू / गूगल अर्थ कम्पेरेवल – सी.डी.में) भी संलग्न किया जाये ताकि पर्यावरण अभिस्वीकृति के समय खदानों की सही स्थिति ज्ञात करने में तथा 500 मीटर के अंदर स्थित अन्य स्वीकृत खदानों की जानकारी प्राप्त करने में सुविधा हो ।
- ✓ इसी प्रकार जिला सर्वेक्षण रिपोर्ट के पेज नं. 81 टेबिल क्रमांक-32 में खनिज रेत हेतु “माइनेबल मिनरल पोटेन्शियल” (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोटेन्शियल) लीजवार (लम्बाई एवं चौड़ाई के साथ) नहीं दिया गया है जो दिया जाना आवश्यक है ।

चर्चा उपरांत समिति की यह अनुशंसा है कि अनूपपुर जिले की जिला सर्वेक्षण रिपोर्ट को समिति द्वारा सुझाई गई उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 के अनुसार पुनः प्रस्तुत की जाये । ऑन लाईन उपस्थित सुश्री



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आशा लता को भी उपरोक्त संदर्भ में समझाईश दी गई तथा उनको यह भी अवगत कराया गया कि अन्य जिलों की जो जिला सर्वेक्षण रिपोर्ट सिया द्वारा अनुमोदित की गई हैं, उनका अध्ययन कर धार जिले की जिला सर्वेक्षण रिपोर्ट को अद्यतन कर लें। तदनुसार प्रकरण आगामी कार्यवाही राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण की ओर अग्रिम कार्यवाही हेतु प्रेषित है।

### 19. जिला सर्वेक्षण रिपोर्ट, जिला टीकमगढ़ (म.प्र.)

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 523 दिनांक 23/05/22 के माध्यम से टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के परीक्षण हेतु भेजी गई है। उक्त जिला सर्वेक्षण रिपोर्ट, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के सदस्यों को दिनांक 23/05/22 (सॉफ्टकापी) को प्रेषित की गई थी तथा उस पर चर्चा राज्य स्तरीय मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में प्रस्तावित की गई।

कार्यालय कलेक्टर (खनिज शाखा) जिला टीकमगढ़ म.प्र. ने पत्र क्रमांक-11/खनिज/तीन-06/3490, दिनांक 20/05/2022 के माध्यम से अवगत कराया है कि इस जिला सर्वेक्षण रिपोर्ट पर आमजन के अवलोकन एवं सुझाव हेतु जिला टीकमगढ़ के पोर्टल पर 21 दिन हेतु प्रदर्शित की गई, जिसमें किसी प्रकार के सुझाव प्राप्त नहीं हुए हैं। इस जिला सर्वेक्षण रिपोर्ट का अनुमोदन जिला स्तर पर गठित समिति द्वारा दिनांक 13/4/22 को किया गया।

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 573वीं बैठक दिनांक 28/05/22 में टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट पर चर्चा की गई। चर्चा के दौरान खनिज विभाग, टीकमगढ़ की ओर से श्री सईद अली, प्रभारी खनिज अधिकारी ऑनलाईन उपस्थित हुए जिसमें पाया गया कि :- जिसमें पाया गया कि :-

- ✓ राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 523 दिनांक 23/05/22 के माध्यम से टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार अधिकांश जानकारीयों समाहित की गई है बिंदु क्रमांक-26 की जानकारी जो माईनर मिनरल (रेत छोड़कर) से संबंधित है, के अवलोकन से ज्ञात होता है कि टीकमगढ़ जिले में हरित क्षेत्र के विकास हेतु प्रस्तावित पौधों की प्रजातियों की जानकारी नहीं दी गई है तथा पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी भी नहीं दी गई है, जिसको अद्यतन किया जाना चाहिए। साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए।
- ✓ इसी प्रकार जिले में स्वीकृत/प्रस्तावित खदानों को को-आर्डिनेट के अनुसार डिजिटालाइज मैप (आर्क व्यू / गूगल अर्थ कम्पैटेबल – सी.डी.मे) भी संलग्न किया जाये ताकि पर्यावरण

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अभिस्वीकृति के समय खदानों की सही स्थिति ज्ञात करने में तथा 500 मीटर के अंदर स्थित अन्य स्वीकृत खदानों की जानकारी प्राप्त करने में सुविधा हो ।

- ✓ खदान में डिपोजिट रेत के पोस्ट-मानसून एवं प्री-मानसून टेबल में प्रदर्शित डेटा पेज नं. 51 एवं 53 के अध्ययन से ज्ञात होता है कि दर्शायी गई रेत की मात्रा पोस्ट-मानसून में प्री-मानसून कम है जो तर्कसंगत प्रतीत नहीं होता है, क्योंकि पोस्ट-मानसून में रेत की मात्रा सामान्यतः अधिक होना चाहिए, अतः इस जानकारी का पुनरावलोकन संबंधित जिले से करा लिया जाये ।
- ✓ इसी प्रकार जिला सर्वेक्षण रिपोर्ट के पेज नं. 59 टेबिल क्रमांक-19 में खनिज रेत हेतु "माइनेवल मिनरल पोर्टेंशियल" (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेंशियल) लीजवार (लम्बाई एवं चौड़ाई के साथ) नहीं दिया गया है जो दिया जाना आवश्यक है ।

चर्चा उपरांत समिति की यह अनुशंसा है कि टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट को समिति द्वारा सुझाई गई उपरोक्त अनुशांसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 के अनुसार पुनः प्रस्तुत की जाये । ऑन लाईन उपस्थित श्री सईद अली, प्रभारी खनिज अधिकारी को भी उपरोक्त संदर्भ में समझाईश दी गई तथा उनको यह भी अवगत कराया गया कि अन्य जिलों की जो जिला सर्वेक्षण रिपोर्ट सिया द्वारा अनुमोदित की गई हैं, उनका अध्ययन कर टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट को अद्यतन कर लें । तदनुसार प्रकरण आगामी कार्यवाही राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण की ओर अग्रिम कार्यवाही हेतु प्रेषित है ।

(ए.ए. मिश्रा)  
सदस्य सचिव

(डॉ. पी.सी. दुबे)  
अध्यक्ष

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**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

### **Annexure- 'A'**

#### **Standard conditions applicable to Stone/Murram and Soil quarries:**

1. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.

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21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.) with latitude and longitude.
  - c. Length, breadth and sanctioned depth of mine.
  - d. Sanctioned Production capacity of the project as per EC and Consent of MPPCB.
  - e. Method of mining (Manual/Semi Mechanised) and Blasting or Non-blasting.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.

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35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

37. खदान क्षेत्र में किये जाने वाले वृक्षारोपण हेतु निर्देश।

**नोट 1 :-** स्थल विशेष हेतु प्रजातियों के चयन में स्थानीय मृदा के प्रकार, संरचना, गहराई को ध्यान में रखकर रोपण किया जाना चाहिए।

**नोट 2 :-** विषय विशेषज्ञ, उक्त विषय में रुचि रखने वाले स्थानीय जानकारों से राय ली जाने की सलाह है।

**नोट 3 :-** पौधों की बढ़त हेतु सड़ी गोबर की खाद, केचुआ खाद, आवश्यक होने पर अच्छी मृदा का उपयोग, समय पर रोपण, पौधों की देख-रेख, मृदा नमी को बनाये रखने हेतु जल-संरचनाओं का निर्माण, निदाई-गुड़ाई, सिंचाई एवं सुरक्षा का पर्याप्त उपाय करना चाहिए।

**नोट 4 :-** पौधों की ऊँचाई/गोलाई -

**नोट 5 :-** भू-क्षरण स्थल पाये जाने पर भू-संरक्षण का कार्य किया जाना चाहिए।

**नोट 6 :-** रोपित पौधों का मापदंड एवं अन्य कार्य

क्र.	स्थल	ऊँचाई न्यूनतम	गोलाई न्यूनतम
1.	बैरियर जोन/नॉन माईनिंग क्षेत्र	02.5 फिट	03 से. मी.
2.	रोड साईड/स्कूल/ ऑगनवाडी	03.5 फिट	05 से.मी.
3.	पौधों के चारों ओर निदाई-गुड़ाई, थाला (1.5 मी.गोलाई में) बनाना तीन वर्षों तक।		
4.	आवश्यकतानुसार सिंचाई।		

**नोट 7 :- बीज बुआई एवं अंकुरण पश्चात् देख-रेख -**

- स्थानीय स्तर पर बीज संग्रहण एवं गुड़ाई/जुताई पश्चात् वर्ष पूर्ण बीज रोपण। जामुन, महुआ, नीम, साल बीज का रोपण बीज गिरने के तुरंत (07 दिवस के अंदर) पश्चात् ही रोपण।
- बीज रोपण पश्चात् अंकुरण एवं 4 से 6 पत्तियाँ आने पर, पौधे के चारों तरफ निदाई-गुड़ाई एवं सड़ी गोबर की खाद डालना।
- बीज रोपण तीन वर्षों तक लगातार पौधों की जीवितता एवं सफलता के आधार पर करना।
- सीड-बाल विधि से भी बीज रोपण किया जा सकता है।

### **Annexure- 'B'**

#### **Standard conditions applicable for the Sand Mine Quarries\***

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream

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side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.

8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - f. Lease owner's Name, Contact details etc.

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- g. Mining Lease area of the project (in ha.) with latitude and longitude.
  - h. Length, breadth and sanctioned depth of mine.
  - i. Minable Potential of sand mine.
  - j. Sanctioned Production capacity of the project as per EC and Consent of MPPCB.
  - k. Method of mining (Manual/Semi Mechanised)
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
    - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
    - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
    - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
    - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
    - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
    - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
    - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
    - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
    - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
  31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
  34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
  35. Adequate provisions of water for irrigating plantation shall be made by PP.
  36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.
  38. खदान क्षेत्र में किये जाने वाले वृक्षारोपण हेतु निर्देश।  
**नोट 1 :-** स्थल विशेष हेतु प्रजातियों के चयन में स्थानीय मृदा के प्रकार, संरचना, गहराई को ध्यान में रखकर रोपण किया जाना चाहिए।

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- नोट 2 :-** विषय विशेषज्ञ, उक्त विषय में रुचि रखने वाले स्थानीय जानकारों से राय ली जाने की सलाह है ।
- नोट 3 :-** पौधों की बढ़त हेतु सड़ी गोबर की खाद, केचुआ खाद, आवश्यक होने पर अच्छी मृदा का उपयोग, समय पर रोपण, पौधों की देख-रेख, मृदा नमी को बनाये रखने हेतु जल-संरचनाओं का निर्माण, निदाई-गुड़ाई, सिंचाई एवं सुरक्षा का पर्याप्त उपाय करना चाहिए ।
- नोट 4 :-** पौधों की ऊँचाई/गोलाई –
- नोट 5 :-** भू-क्षरण स्थल पाये जाने पर भू-संरक्षण का कार्य किया जाना चाहिए ।
- नोट 6 :-** रोपित पौधों का मापदंड एवं अन्य कार्य

क्र.	स्थल	ऊँचाई न्यूनतम्	गोलाई न्यूनतम्
1.	बैरियर जोन/नॉन माईनिंग क्षेत्र	02.5 फिट	03 से. मी.
2.	रोड़ साईड/स्कूल/ ऑगनवाडी	03.5 फिट	05 से.मी.
3.	पौधों के चारों ओर निदाई-गुड़ाई, थाला (1.5 मी.गोलाई में) बनाना तीन वर्षों तक ।		
4.	आवश्यकतानुसार सिंचाई ।		

### नोट 7 :- बीज बुआई एवं अंकुरण पश्चात् देख-रेख –

- स्थानीय स्तर पर बीज संग्रहण एवं गुड़ाई/जुताई पश्चात् वर्ष पूर्ण बीज रोपण। जामुन, महुआ, नीम, साल बीज का रोपण बीज गिरने के तुरंत (07 दिवस के अंदर) पश्चात् ही रोपण ।
- बीज रोपण पश्चात् अंकुरण एवं 4 से 6 पत्तियाँ आने पर, पौधे के चारों तरफ निदाई-गुड़ाई एवं सड़ी गोबर की खाद डालना ।
- बीज रोपण तीन वर्षों तक लगातार पौधों की जीवितता एवं सफलता के आधार पर करना ।
- सीड-बाल विधि से भी बीज रोपण किया जा सकता है ।

### Annexure- 'C'

#### Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain



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- a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
  15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
  16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
  17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
  18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
  19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
  20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
  21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
  22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
  23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
  24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
  25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
  26. A display board with following details of the project is mandatory at the entry to the mine.
    - l. Lease owner's Name, Contact details etc.
    - m. Mining Lease area of the project (in ha.) with latitude and longitude.
    - n. Length, breadth and sanctioned depth of mine.
    - o. Minalable Potential of sand mine.
    - p. Sanctioned Production capacity of the project as per EC and Consent of MPPCB.
    - q. Method of mining (Manual/Semi Mechanised)
  27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.

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29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Anganwadi premises.
34. Adequate provisions of water for irrigating plantation shall be made by PP.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.
36. खदान क्षेत्र में किये जाने वाले वृक्षारोपण हेतु निर्देश।

**नोट 1 :-** स्थल विशेष हेतु प्रजातियों के चयन में स्थानीय मृदा के प्रकार, संरचना, गहराई को ध्यान में रखकर रोपण किया जाना चाहिए।

**नोट 2 :-** विषय विशेषज्ञ, उक्त विषय में रुचि रखने वाले स्थानीय जानकारों से राय ली जाने की सलाह है।

**नोट 3 :-** पौधों की बढ़त हेतु सड़ी गोबर की खाद, केंचुआ खाद, आवश्यक होने पर अच्छी मृदा का उपयोग, समय पर रोपण, पौधों की देख-रेख, मृदा नमी को बनाये रखने हेतु जल-संरचनाओं का निर्माण, निदाई-गुड़ाई, सिंचाई एवं सुरक्षा का पर्याप्त उपाय करना चाहिए।

**नोट 4 :-** पौधों की ऊँचाई/गोलाई –

**नोट 5 :-** भू-क्षरण स्थल पाये जाने पर भू-संरक्षण का कार्य किया जाना चाहिए।

**नोट 6 :-** रोपित पौधों का मापदंड एवं अन्य कार्य

क्र.	स्थल	ऊँचाई न्यूनतम	गोलाई न्यूनतम
1.	बैरियर जोन/नॉन माइनिंग क्षेत्र	02.5 फिट	03 से. मी.
2.	रोड साईड/स्कूल/ ऑगनवाडी	03.5 फिट	05 से.मी.
3.	पौधों के चारों ओर निदाई-गुड़ाई, थाला (1.5 मी.गोलाई में) बनाना तीन वर्षों तक।		
4.	आवश्यकतानुसार सिंचाई।		

**नोट 7 :- बीज बुआई एवं अंकुरण पश्चात् देख-रेख –**

- स्थानीय स्तर पर बीज संग्रहण एवं गुड़ाई/जुताई पश्चात् वर्ष पूर्ण बीज रोपण। जामुन, महुआ, नीम, साल बीज का रोपण बीज गिरने के तुरंत (07 दिवस के अंदर) पश्चात् ही रोपण।
- बीज रोपण पश्चात् अंकुरण एवं 4 से 6 पत्तियाँ आने पर, पौधे के चारों तरफ निदाई-गुड़ाई एवं सड़ी गोबर की खाद डालना।
- बीज रोपण तीन वर्षों तक लगातार पौधों की जीवितता एवं सफलता के आधार पर करना।

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- सीड-बाल विधि से भी बीज रोपण किया जा सकता है।

### **Annexure- 'D'**

#### **General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

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24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2<sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
  - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
  - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
  - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  - ✓ Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.

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- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  - ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
  - ✓ Adequate provisions of water for irrigating plantation shall be made by PP.
35. खदान क्षेत्र में किये जाने वाले वृक्षारोपण हेतु निर्देश।

- नोट 1 :-** स्थल विशेष हेतु प्रजातियों के चयन में स्थानीय मृदा के प्रकार, संरचना, गहराई को ध्यान में रखकर रोपण किया जाना चाहिए।
- नोट 2 :-** विषय विशेषज्ञ, उक्त विषय में रुचि रखने वाले स्थानीय जानकारों से राय ली जाने की सलाह है।
- नोट 3 :-** पौधों की बढ़त हेतु सड़ी गोबर की खाद, केचुआ खाद, आवश्यक होने पर अच्छी मृदा का उपयोग, समय पर रोपण, पौधों की देख-रेख, मृदा नमी को बनाये रखने हेतु जल-संरचनाओं का निर्माण, निदाई-गुड़ाई, सिंचाई एवं सुरक्षा का पर्याप्त उपाय करना चाहिए।
- नोट 4 :-** पौधों की ऊँचाई/गोलाई –
- नोट 5 :-** भू-क्षरण स्थल पाये जाने पर भू-संरक्षण का कार्य किया जाना चाहिए।
- नोट 6 :-** रोपित पौधों का मापदंड एवं अन्य कार्य

क्र.	स्थल	ऊँचाई न्यूनतम	गोलाई न्यूनतम
1.	बैरियर जोन/नॉन माईनिंग क्षेत्र	02.5 फिट	03 से. मी.
2.	रोड़ साईड/स्कूल/ ऑगनवाडी	03.5 फिट	05 से.मी.
3.	पौधों के चारों ओर निदाई-गुड़ाई, थाला (1.5 मी.गोलाई में) बनाना तीन वर्षों तक।		
4.	आवश्यकतानुसार सिंचाई।		

**नोट 7 :- बीज बुआई एवं अंकुरण पश्चात् देख-रेख –**

- स्थानीय स्तर पर बीज संग्रहण एवं गुड़ाई/जुताई पश्चात् वर्ष पूर्ण बीज रोपण। जामुन, महुआ, नीम, साल बीज का रोपण बीज गिरने के तुरंत (07 दिवस के अंदर) पश्चात् ही रोपण।
- बीज रोपण पश्चात् अंकुरण एवं 4 से 6 पत्तियाँ आने पर, पौधे के चारों तरफ निदाई-गुड़ाई एवं सड़ी गोबर की खाद डालना।
- बीज रोपण तीन वर्षों तक लगातार पौधों की जीवितता एवं सफलता के आधार पर करना।
- सीड-बाल विधि से भी बीज रोपण किया जा सकता है।

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**

36. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
37. Detailed analysis of availability and quality of the drinking water resources available in the block.
38. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
39. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.