

## Minutes of the 517<sup>th</sup> Meeting of SEIAA dated. 04.01.2019

The 517<sup>th</sup> meeting of the State Level Environment Impact Assessment Authority was convened on 04.01.2019 at the Authority's Office in Environmental Planning and Co-Ordination Organization (EPCO), Paryavaran Parisar, Bhopal. The meeting was chaired by Shri Rakesh K. Shrivastava, Chairman, SEIAA. The following members attended the meeting:-

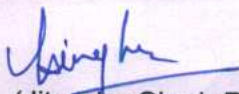
1. Shri R.K. Sharma Member
2. Shri Jitendra Singh Rajee Member Secretary

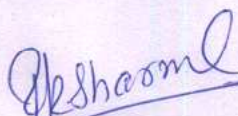
### A. Following other than mining cases and mining cases have been considered:-

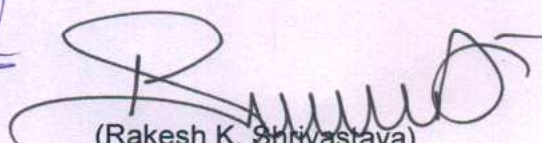
S.No.	Case No.	Category	No. & date of latest SEAC & SEIAA meeting
1.	5486/2016	1(c)	336 SEAC meeting dated 04.12.18
2.	5487/2016	1(c)	336 SEAC meeting dated 04.12.18
3.	5023/2016	1(c)	336 SEAC meeting dated 04.12.18
4.	5200/2016	1(c)	314 SEAC meeting dated 10-05-18
5.	5570/2017	5(f)	335 SEAC meeting dated 01.12.18.
6.	5637/2018	1(c)	310 SEAC meeting dated 24/12/2018
7.	2449/2015	1(a)	EC Transfer

1. **Case No. - 5486/2016:** Prior Environmental Clearance for BHAWSA Medium Irrigation Tank Project at Forest Zone Compartment No. RF 433, 435, 436, Village - Naichondi, Tehsil & District – Burhanpur (M.P.) Live Capacity – 13.64 M cum, Command Area – 4030 ha., Designed Area – 3750 ha. by Engineer-in-Chief, Water Resources Department, Office of Engineer-in-Chief, Tulsi Nagar, Bhopal, (M. P.). – 462003, Env. Consultant: .ENV Developmental Assistance Systems Pvt. Ltd, Lucknow.

1. The Project Is proposed on the River Amravati, a tributary of Mohona River, which ultimately merge into Tapti River. The area of the free-draining catchment of the Bhawsa irrigation project is about 76.80 sq.km. The Project envisage Construction of Earthen Dam, concrete ungated weir overflow section, sluice and Gravity Pipe canal System. Live storage capacity of the reservoir: 13.64 MCM
2. Total CCA available: 4030 ha having the proposed designed irrigation: 3750 ha, benefitting 07 village of Tehsil & District Burhanpur.
3. The main components of the Bhawsa Medium Irrigation Project are Earthen Dam, Height of 28.25 m and length 1220 m side concrete ungated weir (spillway), sluice and canal distribution system. Side ungated weir of 140 m in length having capacity to pass the design flood discharge 756.00 Cumecs with flood lift 2.5 m. Canal sluice of 1.41 Cumecs at RBC. Length of gravity main pipeline canal (RBC) having diameter 1.10 m. – length 700 m on Right bank. Canal distribution system upto 1.0 ha Chak.
4. Right bank main gravity pipe canal is 6.095 km and Left Bank main gravity pipe canal is 3.205 km. Head discharge of Right Bank main gravity pipe canal is 0.94 cumecs and Left Bank main gravity pipe canal is 0.47 cumecs.

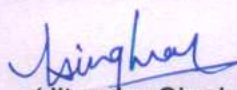
  
(Jitendra Singh Rajee)  
Member Secretary

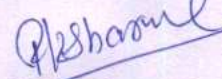
  
(R.K. Sharma)  
Member

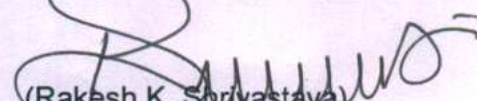
  
(Rakesh K. Shrivastava)  
Chairman



5. The canal is proposed to off take at RD 630m & 1265m of Bhawsa Dam near Bhawsa village. The LSL at off-take canal is 303.95m. As per the crop water requirement, the peak discharge works out at canal head is 0.94 Cumecs of RBC.
6. The project pertains to Item No. 1(c) category 'B' of the EIA Notification 2006 schedule and in terms of Notification dated, 25<sup>th</sup> June, 2014, as the CCA of the project is less than 10000 ha.
7. The project has a command area of 3750 ha, therefore as per EIA notification of September 2006 and a recent amendment (August 14, 2018), it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)". And Being a B2 Category project, it does not require an EIA report and is exempt from Public Hearing; it require submission of EMP only However, Scoping Clearance of the project was taken as Category B1 (prior to August 2018 amendment).
8. There is no wildlife sanctuary, National park (DFO letter dtd. 04.08.16) or interstate boundaries (PWD letter dtd. 01.08.16) within 10 km of the project area hence general conditions are not attracted.
9. Terms of Reference (ToR) were issued by the State Level Expert Appraisal Committee, Madhya Pradesh vide letter no. 134/PS-MS/MPPCB/SEAC-1/TOR (286)/2016, Dated 09.03.2017 for CCA 4030 ha and ToR approved in 410<sup>th</sup> SEIAA meeting dtd. 17.02.17. EIA report submitted by PP on 11.10.18.
10. The case was discussed in SEAC meetings 286<sup>th</sup> SEAC meeting dtd. 28.01. 2017, and 336<sup>th</sup> dtd. 04.12.18 is recommended for grant of prior EC subject to 47 special conditions.
11. After deliberation the case was discussed in detail and recorded that:
  - i. The land acquired for the project is forest land (129.60 ha of Krishi vanbhumi and 145.44 ha of forest land) for which PP has obtained stage-I forest clearance from MoEF & CC G.O.I, New Delhi. vide letter no. F.No. 8-54/2017-FC dtd. 05.03.18 and Stage II submission is under process. The land compensation will be provided to the forest department and the lease of the krishi vanbhumi, apart from that compensatory afforestation is also proposed. Compensatory afforestation shall be raised over equal the diverted forest land and at least 1000 plants per Hectare ( $277.13 \times 1000 = 277130$  plants) shall be planted over identified non-forest land and other degraded forest land.
  - ii. No involvement of houses and other private property under the submergence of the proposed Bhawsa dam. In the proposed project Resettlement & Rehabilitation is not proposed as the land acquired will not cause eviction of villagers.
  - iii. The total 275.04 ha of forest land, which will be acquired for the project out of which 271.76ha will be submerged under water body (reservoir) on account of construction of the proposed project. In addition land use changed permanently

  
(Jitendra Singh Raj)  
Member Secretary

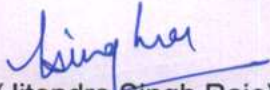
  
(R.K. Sharma)  
Member

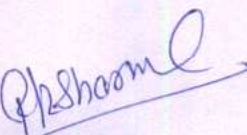
  
(Rakesh K. Shrivastava)  
Chairman




in water body and built-up area. In the command area the crop land will increase to 26.76% due to the conversion of fallow land in to crop land.

- iv. The predicted ground level concentration in air for PM<sub>10</sub> due to fugitive dust emissions from construction activities (excavation involving drilling) at the Dam complex has been found to be 9.381 µg/m<sup>3</sup>, while the resultant concentration shall be 79.23 µg/m<sup>3</sup>, which is within the limits.
- v. Temporary increase in noise levels are expected during construction phase only. The Lmax noise level of 84dB(A) at the construction site gets highly attenuated to 91.1 dB(A), 74.0 dB(A) and 61.6 dB(A) about 50m, 500m and 1500 m respectively from the point source (dam site), but the Construction activity may disturb the noise environment of the area for a short period of time
- vi. To avoid the leakage in pipe canal following precaution will be followed;
  - a. The pipe shall be designed properly as per IS Code. Excessive pressure should therefore be avoided, if possible serve water under minimum acceptable residual pressures.
  - b. Good workmanship & construction method shall be used to lay pipes to avoid leaks at joints and fittings.
  - c. All pipes and fittings will be of the right pressure rating and standards as a whole.
- vii. For muck disposal PP has proposed left over muck will be utilized in the construction of coffer dam in two seasons. Balance if any, the excavated muck material will be disposed near the left side of the Spill channel in the downstream and plantation will be done on it.
- viii. There is no power requirement in the pipe canal system of Project.
- ix. For prevention of soil erosion PP has proposed Catchment Area Treatment plan including contour bunding in 7.0 ha, slope modification in 30.0 ha and check dam (07 nos dry Rubble stone masonry and 15 nos. brushwood check dam ) Besides, gap plantation, pasture development, social forestry etc are also proposed.
- x. Fisheries Management Plan includes enhancement of fisheries potential through supplementary stocking of reservoir. About 275.04 ha area of reservoir could facilitate the scope of development of reservoir fishery.
- xi. The green belt will start from the immediate vicinity of the reservoir rim on both banks wherever moderately steep slopes are available for plantation
- xii. The estimated cost of the project is Rs. **12320.24** Lacs

  
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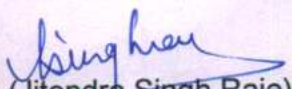
  
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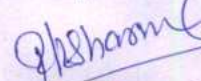



- xiii. **Benefit of the project:** Irrigation potential shall be created in area (3750 ha) in 07 villages. Employment opportunities/to locals in project work fisheries and agriculture. Recreation and tourism potential may boost. Access to improved infrastructure facilities. Command Area Development. Improvement in environment through implementation of CAT, Compensatory Afforestation, Green belt Development and different other plans. Improvement in water availability in the nearby villages etc..

**It was decided to accept the recommendations of 336<sup>th</sup> SEAC meeting dtd. 04.12.2018 with 47 conditions and grant Prior Environmental Clearance for proposed BHAWSA Medium Irrigation Tank Project at Forest Zone Compartment No. RF 433, 435, 436, Village - Naichondi, Tehsil & District – Burhanpur (M.P.) Live Capacity – 13.64 M cum, Command Area – 4030 ha, Designed Area – 3750 ha by Engineer-in-Chief, Water Resources Department, Office of Engineer-in-Chief, Tulsi Nagar, Bhopal, (M. P.). – 462003, subject to the following specific conditions:-**

1. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by the water resources department GoMP. The implementation of R & R Plan to be closely monitored to ensure that all project affected families (PAFs) get adequate & timely compensation.
2. Besides the agricultural land, the rehabilitation of public buildings, infrastructures, monument etc. falling in the submergence area should also be included in the rehabilitation plan.
3. A monitoring Committee for R & R shall be constituted which must include representatives of project affected persons including from SC/ST community and at least a woman beneficiary.
4. A grievances redress mechanism is to be devised by WRD GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.
5. The implementation of Local Area Development Plan (LADP) to be closely monitored.
6. This being a seasonal stream/ river, a minimum environmental flow of 30 % in monsoon season should be released for downstream users.
7. Proposed Compensatory Afforestation programme in shall be taken-up in consultation with State Forest Department. The allocated grant for this purpose shall be fully utilized and not to be diverted for any other purpose. For compensatory afforestation programme, preference shall be given to native species.
8. Proposed Bio-diversity Conservation & Management Plan in EMP report should be implemented with State Forest Department. The allocated budget for this purpose shall be fully utilized and not to be diverted for any other purpose.
9. The catchment Area Treatment (CAT) Plan as proposed in EMP report shall be strictly implemented in consultation with Madhya Pradesh State Forest Department. Major works shall be completed before impounding of reservoir. The financial allocation for CAT Plan implementation shall be fully utilized and not to be diverted for any other purpose. Catchment Area Treatment Plan as has been proposed should be completed in five years.
10. To enhance the natural environmental quality & aesthetics of project site, greenbelt, as proposed in the EMP Report shall be undertaken in propped area.

  
(Jitendra Singh Rajee)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman

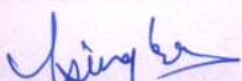


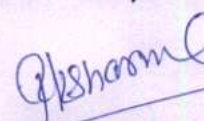
Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.

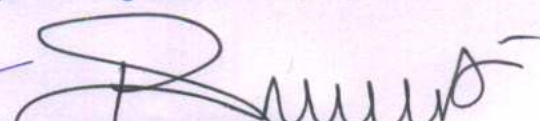
11. Fishery conservation & management plan as proposed shall be implemented in consultation with the Fisheries Department, Government of Madhya Pradesh.. The stocking density of the reservoir shall be around 300 fingerlings per ha. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
12. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project may provide breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, it will be the responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km. Area keeping the flight range of mosquitoes in consideration. Also medical assistance to be provided to the affected people at the cost of the developer and appropriate health benefits may be initiated with the help of State Health Department.
13. If the water of reservoir is used for drinking water supply, it should be done after conventional treatment.
14. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and around the project area to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the increased use of chemical fertilizers and pesticides.
15. PP should ensure to obtain stage II of the forest clearance and same submitted to SEIAA.

2. **Case No.5487/2016** : Prior Environmental Clearance for proposed TEM Medium Irrigation project at Village Dapkan, Tehsil - Lateri District Vidisha, MP Gross Command area- 19470 ha Cultivable command area – 9990 ha, Cathment area- 297.95 sq.m. by Executive Engineer, Sanjay Sagar Project Bah River Division, Ganj Basoda, Vidisha through Engineer- in- Chief Water Resources Department ; Jal sansadhan hawan; Tulsi Nagar Bhopal (M.P.) 462003 E-mail [\\_encwrbpl@mp.nic.in](mailto:encwrbpl@mp.nic.in) Mob. No.9926057333\_Env. Consultant- Voyants Solutions Pvt. Ltd. Gurgaon.

1. The Tem Medium Project is proposed on the river Tem which is sub-tributary of Parvati River and it meets Betwa River in Yamuna basin) near Village- Dapkan in Block- Lateri of District- Vidisha MP. The project shall encompass a composite dam comprising of 2262.50m long with maximum height of 22.109m homogeneous earthen dam, 72.5 m long spillway, designed for SPF of 2826.26 cumecs.
2. Tem river originates from Lateri in Vidisha district of Madhya Pradesh near the Kundam village and drains a gross catchment of 297.95 sq km at the project site. The catchment area of proposed Tem Dam site is influenced by Lateri, Berasia & Makasudangarh stations.
3. The total percentage of irrigation of Vidisha district is very low (4.34%). To fulfill the demand of local people and to improve the percentage of irrigation, the project is

  
(Jitendra Singh Raje)  
Member Secretary

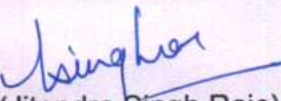
  
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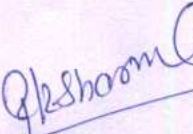
  
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proposed in this area. Project has been conceived with a view to impound 48.97 MCM of monsoon discharge of the river and harness it for providing for irrigation.

4. For facilitating irrigation one RCC barrel type irrigation sluice (2.m X 2m) shall off take from RD150 m of dam, which shall be connected to approach channel with pump house at its downstream and pressurized main pipe canal (3.5 cumecs) with piped underground RBC and LBC of length 23km and 22 km respectively.
5. The project comprising Gross Command Area (GCA): 16470 ha; Culturable Command Area (CCA): 9990 ha. No. of benefited villages: 69 Submergence at FRL: 1265.98 ha Due to project three villages shall be fully submerged while seven shall be partially submerged.
6. The project pertains to Item No. 1(c) category 'B' of the EIA Notification 2006 schedule and in terms of Notification dated, 25<sup>th</sup> June, 2014, as the CCA of the project is less than 10000 ha.
7. The project has a command area of 9990ha, therefore as per EIA notification of September 2006 and a recent amendment (August 14, 2018), it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)". And Being a B2 Category project, it does not require an EIA report and is exempt from Public Hearing; it require submission of EMP only However, Scoping Clearance of the project was taken as Category B1 (prior to August 2018 amendment).
8. There is no wildlife sanctuary, National park (DFO letter dtd. 26.11.16) or interstate boundaries (PWD letter dtd. 24.11.16) within 10 km of the project area hence general conditions are not attracted.
9. Terms of Reference (ToR) were issued by the State Level Expert Appraisal Committee, Madhya Pradesh vide letter no. 132/PS-MS/MPPCB/SEAC-1/TOR (286)/2016, Dated 9.03.2017 for CCA 9990 ha and ToR approved in 410<sup>th</sup> SEIAA meeting dtd. 17.02.17. EIA report submitted by PP on 09.10.18.
10. The case was discussed in SEAC meetings 286<sup>th</sup> SEAC meeting dtd. 28.01. 2017, and 336<sup>th</sup> dtd. 04.12.18 is recommended for grant of prior EC subject to 46 special conditions.
11. After deliberation the case was discussed in detail and recorded that:
  - i. The land requirement is for submergence area, seat of the dam, spill channel and appurtenant works shall be 1265.98 ha. Out of this the revenue, forest and private land shall be 409.369 ha, 203.16 ha and 653.451 ha respectively. PP has applied online application for forest clearance for diversion of 203.015 ha vide proposal No. FP/MP/IRRIG/30739/2017, dated 18.12.2017 for construction of project is pending at MoEF & CC level.

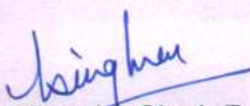
  
(Jitendra Singh Raje)  
Member Secretary

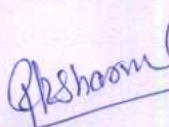
  
(R.K. Sharma)  
Member

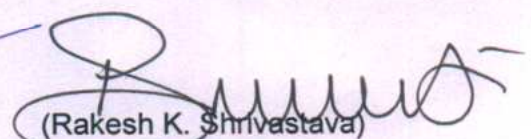
  
(Rakesh K. Shrivastava)  
Chairman



- ii. Due to project 3 revenue villages shall be fully affected and 8 revenue villages shall be partially affected. There shall be 1161 affected families of which there shall be 713 displaced families. PP has proposed the land acquisition shall be carried out as per RFCTLARRA 2013.
- iii. Loss of 653.451 ha agriculture land to the land owners. There shall be 1161 project affected families of which 713 families shall be displaced. Land compensation as per collector's rate with 100% solatium as elaborated in First Schedule of RFCTLARRA 2013. Compensation for a housing unit and other assets has been determined as substitution/replacement cost based on the current PWD Schedule of Rates. PP has committed following provisions will be made in the identified new rehabilitation and resettlement area, after approval of District Administration on the land parcel:
- Pucca Road connectivity to the area including internal village road connectivity
  - Drainage provision maintaining proper slope
  - Water supply for R&R site
  - Sanitation and solid waste management facility
  - Electrification in the R&R site
  - School buildings and health care centre as per norms
  - Community building, community toilet, playground/ open space for play
  - Provision of cattle shed
  - Provision of drinking water for cattle
  - Gram chaupal, Anganbadi
  - Religious sites
  - Cremation ground
  - Plantation within the R&R site - along the proposed road / play ground / other areas
- iv. The water requirement (300kld) for construction shall be mainly met from the river water and the domestic/drinking water from underground sources. The total raw material requirement for coarse and fine aggregate and boulder comes to 0.982 lakh cum, 1.04 lakh cum and 0.66 lakh cum respectively.
- v. Catchment Area Treatment (CAT) plan (29795 ha) for free draining catchment area of the proposed project has been prepared for areas with high soil erosion intensity.
- vi. The Catchment Area Treatment (CAT) plans with objective to addresses issues such as prevention of gully erosion, enhancing the forest cover for increasing soil holding capacity; and arresting total sediment flow in the reservoir and flowing waters. 29795 ha have been proposed to be treated under the CAT plan. Conjunctive use of ground water in command by developing tube wells is recommended. A provision of Rs 1105 lakhs made under Catchment Area Treatment.

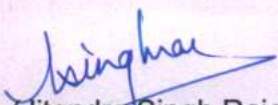
  
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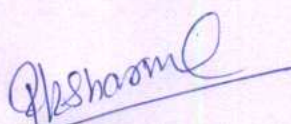
  
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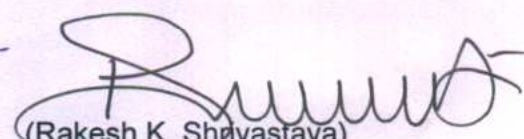
  
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- vii. Land degradation in command area. Impairment of water Quality due to use of fertilizers/insecticides. There shall be 1.64 MCM recharge of ground water from field application. A provision of Rs 7225 lakhs made under CAD & WM Plan.
- viii. Fragmentation of habitat and land degradation in reservoir fringe due to felling of trees. Green belt development around reservoir rim in about 20 ha has been proposed. A provision of Rs 36.8 lakhs made for plantation along reservoir periphery
- ix. Fishery development to help in the increasing employment potential and to produce protein rich food. A provision of Rs 195 lakhs made under Fisheries Management Plan
- x. Generation of debris (296957 cum) from excavation of which 263708cum muck shall be consumed and the balance 33249 cum shall be disposed in backfilling of voids of borrow area. Top soil (36035cum) shall be stripped and stacked/preserved to be used in plantation and turning areas. Plantation over surface of muck piles which are within 4 m of FRL. Provision of Rs. 12.0 lakh made under Muck Management.
- xi. Solid waste generated from temporary and permanent colonies in construction as well as operation phase requires special management to dispose of as warranted under the new Solid Wastes Management Rules, 2016. Solid waste generated in the project complex/ project colony/ labour colony, shall be managed and handled in accordance with the duties set forth under clause 4 (1) through 4(3) and clause 20 of SWM Rules, 2016, in respect of landfill. For solid waste management, a provision of Rs 54.0 lakh made under Sanitation and Solid Waste Management Plan.
- xii. The disaster resulting from dam break/ failure has been considered and dam break analysis by using BOSS DAMBRK model has been conducted. The evolution of disaster management plan dwells on various aspects such as provision of evacuation paths, setting up of alarms and warning systems, establishing communicating system besides delineating an Emergency Response Organization with an Effective Response System.
- xiii. Air emissions shall be leveled up to the relevant permissible norms using air pollution control equipments. Earth work should be carried out keeping in view the possibility of minimum fugitive dust emission. Regular maintenance of the vehicles shall be ensured to keep the emission level below the relevant CPCB norms. Copious sprinkling of water at the work site and haul roads shall be carried out and hooded trucks shall be used. Wet drilling shall be adopted and Periodical monitoring of ambient air quality will be carried out. For control of air pollution, a provision of Rs. 7.20 lakh made under Management Plan for Control of Water, Air & Noise Pollution.

  
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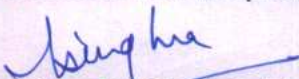
- xiv. The DG set should be fitted in acoustic enclosures. DG sets should not be located on downstream of prominent and first prominent wind direction. . The emission norms prescribed by the CPCB should be adhered. The norms prescribed by the CPCB in respect of fixing the minimum stack height for generator, should be strictly complied with
- xv. The fact that the Project is being manned by MPWRD and so it does not attract the provisions either under Companies Act, 2013, or the Corporate Social Responsibility Policies issued by the concerned Ministry. PP has proposed total of 0.5% of the direct charges of project cost (Rs 38314.99 lakh) i.e. Rs. 192 lakhs towards creation of local area development fund to undertake works. Activities under this plan shall involve: (a) Skill development (b) Infrastructure Development and other Services.

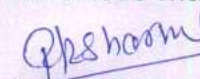
Skill development	Infrastructure Development And Public Utilities
a) Training Courses: b) Tailoring, Knitting & Embroidery Training Centers c) Computer Courses d) Income Generating Activities/ Projects e) Vocational Training	a) Community Centers: b) Hospital Facilities: c) Sports and other activities d) Setting up of Recreation Facilities: e) Assistance to Schools f) Development of concrete paths from Village to Road heads & drainage system: g) Community Toilets h) Enhancing Medicare in Govt. hospitals i) Development of Graveyard/Cremation Center

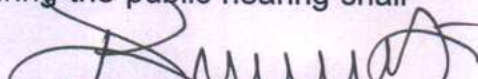
- xvi. Total Cost of project (Civil works + E&M works and Transmission + LADC): INR 38314.99 Lakhs.
- xvii. **Benefit of the project:** Irrigation potential shall be created in area (9990 Ha) in 69 villages. Better living Standards for famers of command area. Employment opportunities/to locals in project work and fisheries. Improvement in environment through implementation of CAT, Compensatory Afforestation, Green belt Development, Command Area Development and different other plans.

It was decided to accept the recommendations of 336<sup>th</sup> SEAC meeting dtd. 04.12.2018 with 47 conditions and grant Prior Environmental Clearance for proposed TEM Medium Irrigation project at Village Dapkan, Tehsil - Lateri District Vidisha, MP Gross Command area- 19470 ha Cultivable command area – 9990 ha, Cathment area- 297.95 sq.m. by Executive Engineer, Sanjay Sagar Project Bah River Division, Ganj Basoda, Vidisha through Engineer- in- Chief Water Resources Department ; Jal sansadhan Bhawan, Tulsi Nagar Bhopal (M.P.) 462003, subject to the following specific conditions:-

1. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall

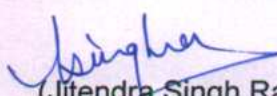
  
(Jitendra Singh Raj)  
Member Secretary


  
(R.K. Sharma)  
Member


  
(Rakesh K. Shrivastava)  
Chairman



- be fulfilled completely by the water resources department GoMP. The implementation of R & R Plan to be closely monitored to ensure that all project affected families (PAFs) get adequate & timely compensation.
2. Besides the agricultural land, the rehabilitation of public buildings, infrastructures, monument etc. falling in the submergence area should also be included in the rehabilitation plan.
  3. A monitoring Committee for R & R shall be constituted which must include representatives of project affected persons including from SC/ST community and at least a woman beneficiary.
  4. A grievances redress mechanism is to be devised by WRD GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.
  5. The implementation of Local Area Development Plan (LADP) to be closely monitored.
  6. This being a seasonal stream/ river, a minimum environmental flow of 30 % in monsoon season should be released for downstream users.
  7. Proposed Compensatory Afforestation programme in shall be taken-up in consultation with State Forest Department. The allocated grant for this purpose shall be fully utilized and not to be diverted for any other purpose. For compensatory afforestation programme, preference shall be given to native species.
  8. Proposed Bio-diversity Conservation & Management Plan in EMP report should be implemented with State Forest Department. The allocated budget for this purpose shall be fully utilized and not to be diverted for any other purpose.
  9. The catchment Area Treatment (CAT) Plan as proposed in EMP report shall be strictly implemented in consultation with Madhya Pradesh State Forest Department. Major works shall be completed before impounding of reservoir. The financial allocation for CAT Plan implementation shall be fully utilized and not to be diverted for any other purpose. Catchment Area Treatment Plan as has been proposed should be completed in five years.
  10. To enhance the natural environmental quality & aesthetics of project site, greenbelt, as proposed in the EMP Report shall be undertaken in 20 ha of area. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
  11. Fishery conservation & management plan as proposed shall be implemented in consultation with the Fisheries Department, Government of Madhya Pradesh.. The stocking density of the reservoir shall be around 300 fingerlings per ha. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
  12. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project may provide breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, it will be the responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km. Area keeping the flight range of mosquitoes in consideration. Also medical assistance to be provided to the affected people at the cost of the developer and appropriate health benefits may be initiated with the help of State Health Department.

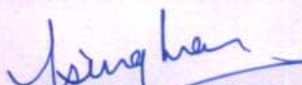
  
(Jitendra Singh Raje)  
Member Secretary


  
(R.K. Sharma)  
Member

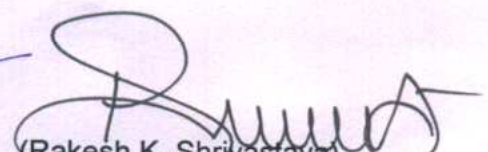
  
(Rakesh K. Shrivastava)  
Chairman



13. If the water of reservoir is used for drinking water supply, it should be done after conventional treatment.
  14. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and around the project area to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the increased use of chemical fertilizers and pesticides.
  15. PP should ensure to not start any construction activities in forest land area without obtaining forest clearance from MoEF & CC and same submitted to SEIAA within stipulated period of time as per MoEF&CC OM dated 09/09/2011 and its amendments OM dtd. 19.03.13.
3. **Case No. 5023/2016** : Prior Environmental Clearance for proposed Kharmer Irrigation Project at Dindori, District Jabalpur, MP ; CCA- 9959 ha Gross Catchment Area: 145 sq. km Maximum height - 21.38 m by Superintending Engineer, Madhya Pradesh Water Resources Department, through Engineer-in-Chief, Water Resources Department, Office of Engineer-in-Chief, Tulsi Nagar, Bhopal, (M. P.) – 462003 Env't. Consultant : Voyants Solutions Pvt. Ltd. Gurugram, Haryana.
1. The proposed dam site is located near Dungariya, Jhanki village across Kharmer River, a tributary of the Narmada & site falls in Samnapur Block and Tehsil Dindori. Catchment Area of the proposed dam is 145 Sq.Km. that is 75% dependable monsoon yield is 46.79 MCM. The project has been proposed for irrigation & drinking water for Samnapur Janpad Panchayat and Villages under command. 44 Villages comes under the area of command Samnapur & Amarpur Blocks. CCA of this project is completed as 9959 ha.
  2. To accommodate 54.632 MCM of water the area under submergence is 962.02 ha which affects 03 villages partially. 1.0 MCM water is kept for drinking purpose & 2.5 MCM water kept for environment releases.
  3. Kharmer River rises from Maikal hills and drains a gross catchment of 145 sq. km at the project site. The catchment area lies on the plateau of Baghelkhand bounded by plateau of Chhattisgarh in the east, plateau of Malwa in the west, plateau of Rewa and Panna in the north and Satpura Maikal region in the south
  4. Project has been conceived with a view to impound 46,79 MCM of monsoon discharge of the river and harness it for providing for irrigation, for drinking purpose and E-flow has been apportioned as 41.34 MCM, 1.80 MCM and 3.65 MCM after excluding the evaporation losses in the reservoir (9.717 MCM). Composite dam comprising of 1076.50 m long homogeneous earthen dam, maximum height of 21.38 m from deepest river bed level ; 88.50m long spillway with 7 radial gates (10.5m x 5.00m).
  5. The project pertains to Item No. 1(c) category 'B' of the EIA Notification 2006 schedule and in terms of Notification dated, 25<sup>th</sup> June, 2014, as the CCA of the project is less than 10000 ha.

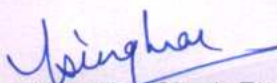
  
(Jitendra Singh Rajee)  
Member Secretary

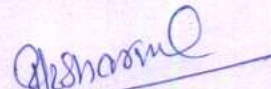
  
(R.K. Sharma)  
Member

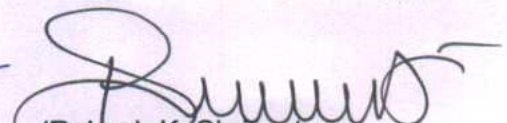
  
(Rakesh K. Shrivastava)  
Chairman



6. The project has a command area of 9959 ha, therefore as per EIA notification of September 2006 and a recent amendment (August 14, 2018), it is a Category B2 project (Medium irrigation project having CCA > 2000 ha and < 10000 ha)". And Being a B2 Category project, it does not require an EIA report and is exempt from Public Hearing; it require submission of EMP only However, Scoping Clearance of the project was taken as Category B1 (prior to August 2018 amendment).
7. There is no wildlife sanctuary, National park (DFO letter dtd. 08.02.16) or interstate boundaries (PWD letter dtd. 23.01.16) within 10 km of the project area hence general conditions are not attracted.
8. The case was discussed in SEAC meetings 27<sup>th</sup> SEAC meeting dtd. 01.04.2016, 274<sup>th</sup> meeting dated 12.04.2016 332<sup>nd</sup> meeting dated 26.10.2018, and 336<sup>th</sup> dtd. 04.12.18 is recommended for grant of prior EC subject to 47 special conditions.
9. Terms of Reference (ToR) were issued by the State Level Expert Appraisal Committee, Madhya Pradesh vide No. 814/PS-MS/MPPCB/SEAC-I/TOR (274)/2016 dated 13/05/2016. The validity period is up to 11.04.2020 and approved in 410<sup>th</sup> SEIAA meeting dtd. 17.02.17. EIA report submitted by PP on 09.10.18.
10. After deliberation the case was discussed in detail and recorded that:
  - i. The land requirement for project shall be 900.34 ha, of which revenue and private land shall be 120.293 ha and 780.047 ha respectively. Revenue land shall have its land use changed permanently in water body and built-up area. No diversion of forest land is required for the project. Due to project 8 villages shall be affected of which 1 village Umariya Ryt shall be fully affected and 7 villages shall be partially affected. There shall be 826 project affected families of which 273 families shall be displaced. The compensation shall be paid in accordance with "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013", (RFCTLARRA 2013) or as per special package, whichever is more. PP has committed following provisions will be made in the identified new rehabilitation and resettlement area with budgetary provision of INR 9483.00 Lakhs, after approval of District Administration on the land parcel:
    - Pucca Road connectivity to the area including internal village road connectivity
    - Drainage provision maintaining proper slope
    - Water supply for R&R site
    - Sanitation and solid waste management facility
    - Electrification in the R&R site

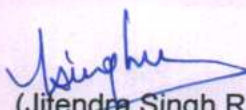
  
(Jitendra Singh Raje)  
Member Secretary

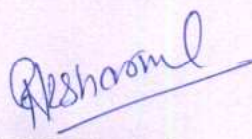
  
(R.K. Sharma)  
Member

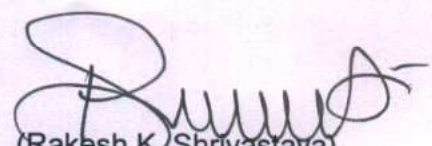
  
(Rakesh K. Shrivastava)  
Chairman



- School buildings and health care centre as per norms
  - Community building, community toilet, playground/ open space for play
  - Provision of cattle shed
  - Provision of drinking water for cattle
  - Gram chaupal, Anganbadi
  - Religious sites
  - Cremation ground
  - Plantation within the R&R site - along the proposed road / play ground / other areas
- ii. The predicted ground level concentration in air for PM<sub>10</sub> due to fugitive dust emissions from construction activities (excavation involving drilling and blasting) at the Dam complex has been found to be 15.54 µg/m<sup>3</sup>, while the resultant concentration shall be 50.44 µg/m<sup>3</sup>, which is within the limits. For control of air pollution PP has proposed following mitigation measures:-
- a. The contractor will be responsible for maintaining properly functioning construction equipment to minimize exhaust.
  - b. Construction equipment and vehicles will be switched off when not used for extended time periods Unnecessary idle running of construction vehicles to be prohibited.
  - c. Effective traffic management to be undertaken to avoid significant delays in and around the project area.
  - d. Road damage caused by sub-project activities will be promptly attended to with proper road repair and maintenance work.
- iii. Temporary increase in noise levels are expected during construction phase only. The noise level of 65 dB(A) at the construction site gets highly attenuated to 39 dB(A), 34 dB(A) and 29 dB(A) about 300m, 600m and 900 m respectively from the point source (dam site). For control of Noise Pollution following mitigation measures will be adopted:-
- a. Vehicles to be equipped with mufflers recommended by the vehicle manufacturer.
  - b. Staging of construction equipment and their unnecessary idling in sensitive areas to be avoided.
  - c. Use of temporary sound fences or barriers with acoustic material at sensitive locations
  - d. Notification shall be provided at a conspicuous place close to residential areas within 100 meter of major noise generating activities.
  - e. Monitoring of noise levels will be conducted during the construction phase of the project

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

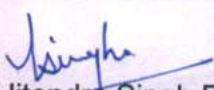
  
(Rakesh K. Shrivastava)  
Chairman

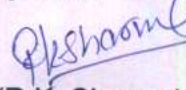


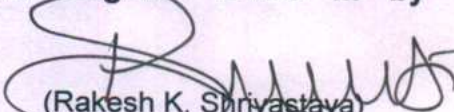
- iv. For Control of Water Pollution the sewage generated from project and various labour camps is proposed to be treated in STP. Settling tanks for treatment of effluent from various crushers should be provided
- v. During operation phase the flows downstream of the dam shall be reduced to the volume (53.69 MCM) stored behind the dam for consumptive use. It is, therefore, proposed to release 3.65 MCM for environmental flows from the quantum reserved for the purpose besides 1.80 MCM drinking water allocation during Jan to May. This implies that about 0.28 cumec discharge shall regularly flow d/s in these months.
- vi. The evolution of disaster management plan dwells on various aspects such as provision of evacuation paths, setting up of alarms and warning systems, establishing communicating system besides delineating an Emergency Response Organization with an Effective Response System.
- vii. The emergency planning for dam break scenario is devised on the basis of results of dam break analysis mainly the travel time of flood wave to various locations in the downstream stretch of the river.
- viii. There is no power requirement in the pipe canal system of Project.
- ix. The fact that the Project is being manned by MPWRD and so it does not attract the provisions either under Companies Act, 2013, or the Corporate Social Responsibility Policies issued by the concerned Ministry. PP has proposed total of 0.5% of the direct charges of project cost (Rs 34810.11 lakh) towards this fund i.e. Rs. 174 lakhs creation of local area development fund to undertake works. Activities under this plan shall involve: (a) Skill development (b) Infrastructure Development and other Services.

Skill development	Infrastructure Development And Public Utilities
a) Training Courses: b) Tailoring, Knitting & Embroidery Training Centers c) Computer Courses d) Income Generating Activities/ Projects e) Vocational Training	a) Community Centers: b) Hospital Facilities: c) Sports and other activities d) Setting up of Recreation Facilities: e) Assistance to Schools f) Development of concrete paths from Village to Road heads & drainage system: g) Community Toilets h) Enhancing Medicare in Govt. hospitals i) Development of Graveyard/Cremation Center

It was decided to accept the recommendations of 336<sup>th</sup> SEAC meeting dtd. 04.12.2018 with 47 conditions and grant Prior Environmental Clearance for proposed Kharmer Irrigation Project at Dindori, District Jabalpur, MP ; CCA- 9959 ha Gross Catchment Area: 145 sq. km Maximum height - 21.38 m by

  
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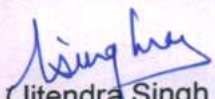
  
(R.K. Sharma)  
Member

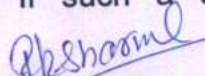
  
(Rakesh K. Shrivastava)  
Chairman

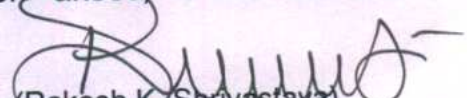


Superntending Engineer, Madhya Pradesh Water Resources Department, through Engineer-in-Chief, Water Resources Department, Office of Engineer-in-Chief, Tulsi Nagar, Bhopal, (M. P.). – 462003 subject to the following specific conditions:-

1. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by the water resources department GoMP. The implementation of R & R Plan to be closely monitored to ensure that all project affected families (PAFs) get adequate & timely compensation.
2. Besides the agricultural land, the rehabilitation of public buildings, infrastructures, monument etc. falling in the submergence area should also be included in the rehabilitation plan.
3. A monitoring Committee for R & R shall be constituted which must include representatives of project affected persons including form SC/ST community and at least a woman beneficiary.
4. A grievances redress mechanism is to be devised by WRD GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.
5. The implementation of Local Area Development Plan (LADP) to be closely monitored.
6. This being a seasonal stream/ river, a minimum environmental flow of 30 % in monsoon season should be released for downstream users.
7. Proposed Compensatory Afforestation programme in shall be taken-up in consultation with State Forest Department. The allocated grant for this purpose shall be fully utilized and not to be diverted for any other purpose. For compensatory afforestation programme, preference shall be given to native species.
8. Proposed Bio-diversity Conservation & Management Plan in EMP report should be implemented with State Forest Department. The allocated budget for this purpose shall be fully utilized and not to be diverted for any other purpose.
9. The catchment Area Treatment (CAT) Plan as proposed in EMP report shall be strictly implemented in consultation with Madhya Pradesh State Forest Department. Major works shall be completed before impounding of reservoir. The financial allocation for CAT Plan implementation shall be fully utilized and not to be diverted for any other purpose. Catchment Area Treatment Plan as has been proposed should be completed in five years.
10. To enhance the natural environmental quality & aesthetics of project site, greenbelt, as proposed in the EMP Report shall be undertaken in propped area. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
11. Fishery conservation & management plan as proposed shall be implemented in consultation with the Fisheries Department, Government of Madhya Pradesh.. The stocking density of the reservoir shall be around 300 fingerlings per ha. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
12. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project may provide breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, it will be the

  
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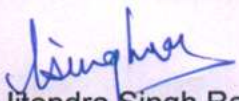
responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km. Area keeping the flight range of mosquitoes in consideration. Also medical assistance to be provided to the affected people at the cost of the developer and appropriate health benefits may be initiated with the help of State Health Department.

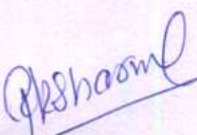
13. If the water of reservoir is used for drinking water supply, it should be done after conventional treatment.
14. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and around the project area to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the increased use of chemical fertilizers and pesticides.

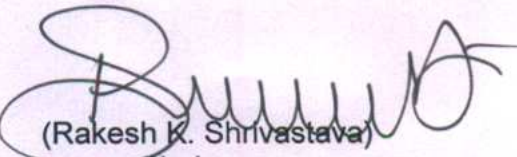
4. **Case No. 5200/2016:** Prior EC for proposed Barkheda Medium Irrigation Project at Near Barkheda Village, Tehsil Kukshi, District Dhar, MP, live storage capacity 52.441 MCM, Gross capacity 53.870 MCM, cultivable command area – 9900 ha, catchment area 382.9 sqm, by Madhya Pradesh Water Resources Department, Executive Engineer, Office of Executive Engineer Water Resources Department, Manawar, District Dhar, (MP)-454001, Mob. No. 8719078708 Env't. Consultant :Voyants Solutions Pvt. Ltd. Gurugram, Haryana

**The case was discussed in 488<sup>th</sup> SEIAA meeting dtd. 30.06.18, 501<sup>st</sup> SEIAA meeting dtd. 16.05.18 and 505<sup>th</sup> SEIAA meeting dtd.26.09.18 and recorded that:-**

1. *The proposed project is Medium River Valley and Hydroelectric Project and located near Village- Kukshi/Berkheda Distt.-Dhar with Live capacity - 52.04 MCM, Cultivable Command Area - 9900 ha, Catchment Area - 382.9 sq., Dam Length - 889.15 M, Spillway - 147.00 M, Maximum height of Dam - 36.68 M ha.*
2. *The Project is envisaged to have a live storage capacity of 52.40 MCM.0.60 MCM has been reserved for drinking purpose for Kukshi Block.Total CCA of the Project is 9900 ha, benefitting 40 villages of Dhar District.*
3. *Total catchment area of the river at dam site is 382.90 sq km. Intercepted catchment area is 184.41 sq km. This water is utilized in existing 17 nos. of minor tanks. Net catchment area for Berkheda medium irrigation project is 198.49 sq km.*
4. *The Composite dam comprising of 889.15 m long with maximum height of 36.68 m homogeneous earthen dam;147 m long spillway; 35 m long Non-over-flow sections on its right and left respectively; One RCC barrel type irrigation sluice (2.4 m x 1.4 m); 17.811 km long right bank main canal (MS pipe);*
5. *Uri river rises from hilly terrain near village Amaliya of Dhar district and drains a gross catchment of 382.90 sq. km at the project siteThe catchment is largely hilly terrain (highest altitude 792mamsl) and has undulated topography and tracts of agriculture land and dry deciduous forest. The catchment is drained by tributaries like Gaumukhi.The catchment area of proposed site is influenced by Gandhwani, Bagh and Sardarpur rain gauge stations*

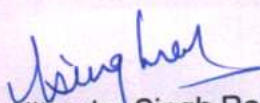
  
(Jitendra Singh Raj)  
Member Secretary

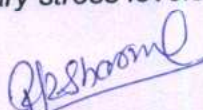
  
(R.K. Sharma)  
Member

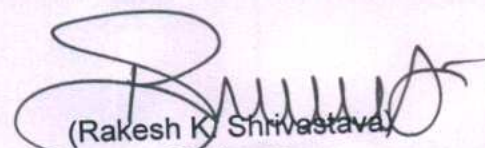
  
(Rakesh K. Shrivastava)  
Chairman



6. The project pertains to Item No. 1(c) category 'B' of the EIA Notification 2006 schedule and in terms of Notification dated, 25<sup>th</sup> June, 2014, as the CCA of the project is less than 10000 ha.
7. There is no wildlife sanctuary, National park (DFO letter dtd. 15.03.16) or interstate boundary (PWD letter dtd. 16.03.16) within 10 km of the project area, hence general conditions are not attracted.
8. ToR issued by SEAC vide letter dtd. 27.06.2016 and EIA report submitted by PP on 21.03.18.
9. The case was discussed in SEAC meetings 278<sup>th</sup> dated 14/06/2016, 313<sup>rd</sup> dtd. 18.04.18 and 314<sup>th</sup> dtd. 10.05.18 is recommended for grant of prior EC subject to 40 special conditions. 324 SEAC meeting dated 19-08-2018.
10. After recommendation the case was discussed in 483<sup>rd</sup> SEIAA meeting and decide to PP may call for presentation.
11. After deliberations by PP the case was discussed in depth & it is noted that:-
  - i. The land requirement for project shall be 489.81 ha, of which the forest, revenue and private land shall be 32.49 ha, 195.80 ha and 261.52 ha respectively. For forest land PP has obtained Stage I & Stage-II Forest Clearance from MoEF, Govt. of India (vide letter N.O.6-MPC016/2017-BHO/681, New Delhi, dated 11.9.2017 and vide letter N.O. 6 MPC 016/2017-BHO/1192, New Delhi, dated 13.3.2018.) as per Indian Forest Act 1980. PP has proposed to take up compensatory afforestation in equivalent area of the land. The afforestation work will be done by Forest Deptt. Separately fund has been allocated for compensatory afforestation and Biodiversity Conservation and Management Plan.
  - ii. The project requires 489.822 ha land falling in Tehsil Gandhwani and Kukshi of district Dhar (Private 229.822 and Revenue Land 227.51 and Forest land 32.49 respectively. Due to project 5 villages shall be affected of which 4 villages viz., Kadwal, Khojakuwa, Mujalda and Reharda are in tehsil Gandhwani while Tole is under Kukshi tehsil. All these villages shall be partially affected.
  - iii. PP has proposed Resettlement and Rehabilitation plan with budgetary provision of Rs. 5113.00 lac. PP has also proposed The compensation shall be paid in accordance with "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013", (RFCTLARRA 2013). Number of Project affected families (PAFs) is 367.12 ha. Land for resettlement has been identified in the vicinity to submerged villages (5 ha in Khojakuwa and 7 ha in Reharda), and allotment by the District Administration is in process.
  - iv. The disaster resulting from dam break/ failure has been considered and dam break analysis by using BOSS DAMBRK model has been conducted.
  - v. There will be no alteration to the existing habitat of endangered and threatened species. There is no wildlife sanctuary, national park and biosphere reserve near the project area. Increase in temporary stress levels of wildlife during construction phase

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman

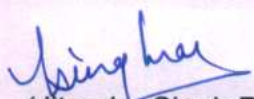


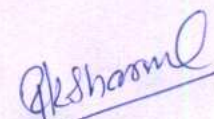
due to noise, human interference & reduction in present habitat. Threat due to poaching might increase.

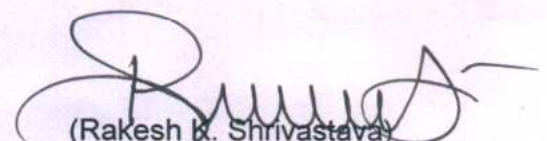
- vi. Project authorities will contribute a total of 0.5% of the direct charges of project cost (Rs 30856.19 lakh) towards this fund i.e. Rs. 154.00 lakh towards creation of local area development fund to undertake works.
- vii. For prevention of soil erosion PP has proposed Catchment Area Treatment plan including afforestation, Contour Staggered Trench, Catch-water Drains Gully Control-Check Dams and Slope Modification by Stepping or Terracing gap plantation, pasture development, social forestry etc.
- viii. Public hearing was conducted on 18<sup>th</sup> December, at dam site in village village Tol, tehsil Kukshi. District Dhar under the Chairmanship of Additional District Collector, Dhar, During the hearing some objection / issues were raised by the participants, which have been included in the proceedings and the same is responded by proponent (WRD) in the Public hearing proceedings.
- ix. The green belt is proposed to be developed within the project area around reservoir periphery, along the network of approach roads, residential areas and other working areas like crushing and aggregate processing plant, batching plant and workshops.
- x. For the control of water pollution PP has proposed septic tank and STP for treatment of sewage generated from project colony.
- xi. PP has proposed fishery development to help in the increasing employment potential and provide alternate employment to poor and to produce protein rich food improve human dietary standards in rural area and raising the net income of rural community.
- xii. **Benefit of the project:** Irrigation potential shall be created in area (9900 ha) in 37 villages, Better living Standards for famers of command area, Employment opportunities/to locals in project work and fisheries, Access to improved infrastructure facilities, Recreation and tourism potential may boost Improvement in environment through implementation of CAT, Command Area Development. Compensatory Afforestation, Green belt Development and different other plans. Better opportunities for cattle rearing. Increase in groundwater level

**After deliberation PP was ask to submit following:-**

- A. **A complaint letter received from Convenor of Narmada Bacchao Andolan in which number of issues raised regarding the Berkheda medium irrigation project and pp has submitted point-wise reply of the related issues It is decided to send the team of SEAC for site vist and also to cross check/verify the issues raised in the complaint and reply submitted by PP for factual status. Accordingly re-appraise the case in line of above.**
- B. **Besides this PP should also submit the details of compensation regarding land aquisition, and displacement of families due to construction of dam.**

  
(Jitendra Singh Raj)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman



## Minutes of the 517<sup>th</sup> Meeting of SEIAA dated. 04.01.2019

In response to above the case was scheduled for the presentation in the 321<sup>st</sup> SEAC meeting dated 16.08.2018 and further 324<sup>th</sup> SEAC meeting dated 19.08. 2018 and recorded that "During presentation PP submitted that due to heavy rains in the project area, site visit is not possible as the road is kachha and site is not approachable till October, 2018. However, the reply submitted by PP on issues raised in the complaint was appraised by the committee and same was submitted to SEIAA. SEIAA discussed the issue in their 505<sup>th</sup> meeting dated 26/09/2018 and decided that for visualization of factual status site visit shall be carried out. Accordingly SEAC visited the site on 22/10/2018 and Following observations were made during site visit;

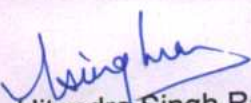
1. A trench measuring approx. 250 meters to 300 meters long and 4.5 meters to 05 meters wide at the bottom has been burrowed (dugged out) at the project site by PP. The top width of this trench is varying from approx. 09 meter to 12.00 meters. During discussion PP submitted that this trench is created for the geo-technical investigation prior to finalization of site of dam and its design & drawings. It has been found at the site that the earth has been dugged out and a quarry has been excavated.
2. It has been found that the area marked as spill way in the drawing of DPR has been also been dugged out. On discussion it is found that it is aligned as per proposed spillway which is a part of the project activities.
3. PP submitted during discussions that geo technical studies has been conducted after obtaining TOR to finalize actual sitting of dam and subsequently to assess the area of submergence and calculation of forest land in line with the MoEF&CC OM No. J-15012/5/2013-IA-I dated 01/08/2013.
4. After deliberate discussion on submissions made by PP that that this digging is carried out to generate the data for geo-technical study of the dam site committee observed that in proposed EMP the budgetary allocations are proposed for following relevant activities in the 20 point EMP:

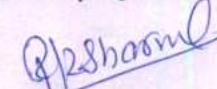
SL.N	PARTICUALRS	AMOUNR (In Rs.)
0		
1.	GREEN BELT DEVELOPMENT PLAN	29.00 Lacks
2.	RIM TREATMENT PLAN	47.00 Lacks
3.	MUCK MANAGEMENT PLAN	72.00 Lacks
4.	LANDSCAPE & RESTORATION PLAN	5.50 Lacks
5.	RESTORATION PLAN FOR QUARY SITE	1.00 Lacks

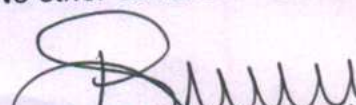
5. After site inspection PP was asked to submit written statement on above activities with subsequent details on basin map & line diagram.
6. PP vide letter no. 3613 dated 01/12/2018 further submitted that the digging of spill way is a part of project activity for which financial allocations has been made. The digging of spillway for geo-technical investigations helps in generating the base data thus eliminating any extra work and saving in cost otherwise also this digging is required for constructing spillway.

### Recommendations

From the above it is clear that PP has digged the earth aligned with the dam line and spillway. Although the land use has been changed by PP but the excavated area is aligned as per drawings and part of the project report. No other construction activities/

  
(Jitendra Singh Rajee)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman



*machineries are observed by the committee at the site except a temporary site office for security purpose. The EMP is proposed by PP as per the standard TOR/EIA. Committee agree with the submission of PP that for geotechnical investigations, this digging is required to finalize the drawing, design & subsequently cost estimates of the dam. Being forest land is involved in the project; actual sitting of dam and subsequently to obtain area of submergence, trench digging for geotechnical investigations was must to make application for forest land as per the MoEF&CC OM No. J-15012/5/2013-IA-I dated 01/08/2013.*

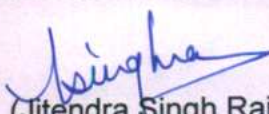
*The report of sub-committee and its recommendations were placed before the committee. Committee after deliberations and agreeing with the recommendations decided that the recommendations made by sub-committee may be sent to SEIAA for onward necessary action.*

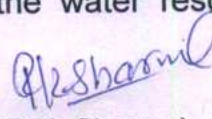
xviii. In response to queries reply PP has also submitted their commitment regarding rehabilitation and following provisions will be made in the identified new rehabilitation and resettlement area, after approval of District Administration on the land parcel:

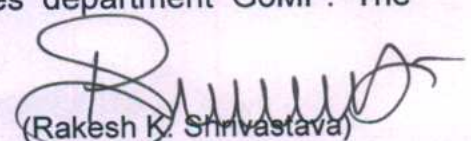
- Pucca Road connectivity to the area including internal village road connectivity
- Drainage provision maintaining proper slope
- Water supply for R&R site
- Sanitation and solid waste management facility
- Electrification in the R&R site
- School buildings and health care centre as per norms
- Community building, community toilet, playground/ open space for play
- Provision of cattle shed
- Provision of drinking water for cattle
- Gram chaupal, Anganbadi
- Religious sites
- Cremation ground
- Plantation within the R&R site - along the proposed road / play ground / other areas

After above recommendation the case was discussed and observed by the authority all submission made by PP during site visit is satisfactory and **It was decided to accept the recommendations of 314<sup>th</sup> dtd. 10.05.18 & 336<sup>th</sup> SEAC meeting dtd. 04.12.2018 with 47 conditions and grant Prior Environmental Clearance for proposed Barkheda Medium Irrigation Project at Near Barkheda Village, Tehsil Kukshi, District Dhar, MP, live storage capacity 52.441 MCM, Gross capacity 53.870 MCM, cultivable command area – 9900 ha, catchment area 382.9 sqm, by Madhya Pradesh Water Resources Department, Executive Engineer, Office of Executive Engineer Water Resources Department, Manawar, District Dhar, (MP)- 454001 subject to the following specific conditions:-**

1. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by the water resources department GoMP. The

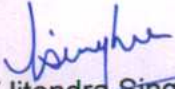
  
(Jitendra Singh Raje)  
Member Secretary

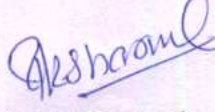
  
(R.K. Sharma)  
Member


  
(Rakesh K. Shrivastava)  
Chairman



- implementation of R & R Plan to be closely monitored to ensure that all project affected families (PAFs) get adequate & timely compensation.
2. Besides the agricultural land, the rehabilitation of public buildings, infrastructures, monument etc. falling in the submergence area should also be included in the rehabilitation plan.
  3. A monitoring Committee for R & R shall be constituted which must include representatives of project affected persons including form SC/ST community and at least a woman beneficiary.
  4. A grievances redress mechanism is to be devised by WRD GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.
  5. The implementation of Local Area Development Plan (LADP) to be closely monitored.
  6. This being a seasonal stream/ river, a minimum environmental flow of 30 % in monsoon season should be released for downstream users.
  7. Proposed Compensatory Afforestation programme in shall be taken-up in consultation with State Forest Department. The allocated grant for this purpose shall be fully utilized and not to be diverted for any other purpose. For compensatory afforestation programme, preference shall be given to native species.
  8. Proposed Bio-diversity Conservation & Management Plan in EMP report should be implemented with State Forest Department. The allocated budget for this purpose shall be fully utilized and not to be diverted for any other purpose.
  9. The catchment Area Treatment (CAT) Plan as proposed in EMP report shall be strictly implemented in consultation with Madhya Pradesh State Forest Department. Major works shall be completed before impounding of reservoir. The financial allocation for CAT Plan implementation shall be fully utilized and not to be diverted for any other purpose. Catchment Area Treatment Plan as has been proposed should be completed in five years.
  10. To enhance the natural environmental quality & aesthetics of project site, greenbelt, as proposed in the EMP Report shall be undertaken in propped area. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
  11. Fishery conservation & management plan as proposed shall be implemented in consultation with the Fisheries Department, Government of Madhya Pradesh.. The stocking density of the reservoir shall be around 300 fingerlings per ha. Allocated grant for this purpose shall be fully utilised and not to be diverted for any other purpose.
  12. Occurrence of stagnant pools/slow moving water channels during construction and operation of the project may provide breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are allowed to be formed. Even after taking precaution, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquito borne diseases can increase. If such a situation arises, it will be the responsibility of project authorities to take all steps i.e. residual insecticidal spray in all the project area and surrounding 3 km. Area keeping the flight range of mosquitoes in consideration. Also medical assistance to be provided to the affected people at the cost of the developer and appropriate health benefits may be initiated with the help of State Health Department.

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman



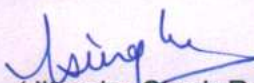
13. If the water of reservoir is used for drinking water supply, it should be done after conventional treatment.
  14. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and around the project area to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the increased use of chemical fertilizers and pesticides.
5. **Case No.5570/2017** : Prior Environment Clearance for Expansion of API (Penems) & Intermediate Manufacturing facility at K-5, 6, 7 & 10, Ghirongi Industrial Area, Malanpur, Dist. Bhind, MP. Land area – 10.928 Acres. Production Capacity- Existing: 71.4 TPA Proposed: 110 TPA by M/s Sun Pharmaceutical Industries Ltd, through General Manegar & Plant Head K-5, 6, 7 & 10, Ghirongi Industrial Area, Malanpur, Dist. Bhind (MP)- 477117 Email: pmbphosphate @ yahoo.com Telephone No. 07539-406600 Mob: 888173173

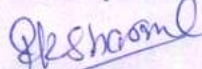
Today the case was scheduled for the presentation wherein PP has requested to postpone the presentation as their consultant is unable to attend this meeting. Committee accepted the request made by the PP and decided to call the PP in 518th SEIAA meeting dated 05.01.2019.


6. **Case No. 5637/2018** - Prior Environment Clearance for **Stone Quarry** (opencast semi mechanized method) in an area of 7.639 Ha. For production 41249 cum per annum at Khasra no. 407/13, 406/4, 406/6, 406/7, 419/3ka, 419/3kha, 407/1, 408/1 at Village- Bartola, Tehsil - Pushparajgarh, Dist. - Anuppur (MP) by Shri Gaya Prasad Agrawal S/o Shri Jagdish Prasad Agrawal, Village - Amarkantak, Tehsil - Pushparajgarh, Dist. - Anuppur, MP – 484886.

This case was recommended in 336<sup>th</sup> SEAC meeting dated 04.12.2018 and it was recorded that.....

SEIAA vide letter no. 996 dated 12/06/2018 has sent back the file for reappraisal as "this lease area seems ecologically and environmentally sensitive as mining activities may lead to adverse impact on the two tributary flowing in the close vicinity of the lease area." The case file was placed before the committee wherein on perusal of the case file committee observed that during presentation and appraisal of this case proper justification was provided and explained by the proponent in the 308th SEAC meeting dated 24/02/2018 that, in the project Total applied area was 9.712 Hectare out of this 2.073 Ha., area has been earmarked by the collector as a protected area due to natural drainage passing nearer to the lease area, accordingly the deducted mining lease area which is 7.639 Ha., has been sanctioned to lessee for mining activity. Lessee has applied for environmental clearances accordingly with sanctioned mining plan on the marked & approved land area. The approved marked map is attached with details on slide no. 09 of the PPT. (Dated on 24/02/2018). The Committee has been observed the details and maps during the presentation and asked to the lessee to submit a complete garland drain and settling tanks planning for the conservation of natural drainage; accordingly the plan was submitted by the PP dated on 12/03/18 showing the distances from the natural drain and the planning of garland drains; which has been found satisfactory with respect to the required production quantity. Further, existence of two natural drains was taken into consideration by the committee and a specific condition was stipulated in the recommendations made for EC as "As per the Google image of November, 2016 on the both side of lease natural drains are in existence thus additional 50 meters area excluding 7.5 meter barrier zone shall be left as non-mining area for the natural drain as per MMR, 1996", and accordingly the case was recommended by the committee for the prior grant of environmental clearance. Thus committee on the basis of above submissions recommends that since the observations made by SEIAA has already been addressed in the

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman



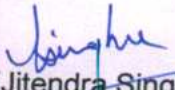
**Minutes of the 517<sup>th</sup> Meeting of SEIAA dated. 04.01.2019**

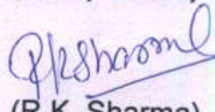
*appraisal of the case, the recommendations made by the committee in the 308<sup>th</sup> SEAC meeting dated 24/02/2018 may be considered for grant of prior EC.*

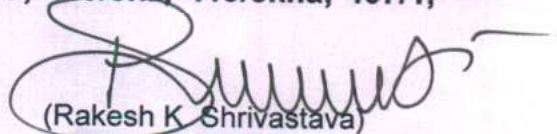
**After detailed discussions and perusal of recommendations of 336<sup>th</sup> SEAC meeting dated 04.12.2018, presentation made by the PP in SEIAA, it was decided to accept the recommendation of SEAC for grant of prior EC to the project subject to the following specific conditions:-**

- I. PP shall not start mining activity before execution of lease agreement.
  - II. The depth of the pit shall be as per the Approved Mining Plan.
  - III. The entire area shall be fenced and three rows of plantation should be done on the periphery of the boundary.
  - IV. Proper sign boards highlighting the dangers of trespassing by the villagers should be installed at four corners of the lease area.
  - V. PP shall ensure to construct and maintained the approach road. Plantation shall be carried out on both side of approach road.
  - VI. PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing pakka road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
  - VII. PP should ensure to plant 3 years old 400 nos of saplings of suitable indigenous tree species Neem, Sissoo, Kachnar, Mango, Bargad, Amla, etc. in barrier zone and 436 nos of trees approach road both side in current year.
  - VIII. PP shall ensure the proper water supply arrangements for dust suppression, regular sprinkling, plantation and drinking purposes especially in summer season.
  - IX. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.
  - X. Under CSR activity PP has committed following addition activities should be implemented.
    - a) Construction of classrooms and sanitation facilities at nearby school.
    - b) Distribution of books and other stationeries to the children at nearby school.
    - c) PP shall organize health chekup camp for villagers.
    - d) Potable Drinking water supply during summer season at nearby villages.
- The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Administration and Grampanchayat.**
- XI. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA.

**Hence, Prior Environmental Clearance is granted for Stone Quarry (opencast semi mechanized method) in an area of 7.639 Ha. For production 41249 cum per annum at Khasra no. 407/13, 406/4, 406/6, 406/7, 419/3ka, 419/3kha, 407/1,**

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman



408/1 at Village- Bartola, Tehsil - Pushparajgarh, Dist. - Anuppur (MP) for the lease period to by Shri Gaya Prasad Agrawal S/o Shri Jagdish Prasad Agrawal, Village - Amarkantak, Tehsil - Pushparajgarh, Dist. - Anuppur, MP – 484886.

7. **Case No.2449/15:** Prior Environmental Clearance for **Sand Quarry** (opencast manual method) in an area of 5.775 ha. for production capacity of 1,60,000 cum/year at Khasra no.-29/1 at Village- Dhingsara, Tehsil-Gadarwara, District-Narsinghpur (MP) by Shri Jagdish Basantani, Manager, M/s Bridge and Roof Company (India), Hall Mukaam Cheechli, Tehsil-Gadarwara, Narsinghpur (MP)-487551. **Regarding transfer of EC in the name of Sarpanch, Gram Panchayat, Dhingsara, Narsinghpur.**

The prior EC was issued to Shri Jagdish Basantani, Manager, M/s Bridge and Roof Company (India), Hall Mukaam Cheechli, Tehsil-Gadarwara, Narsinghpur (MP)-487551. vide Letter No 3862/SEIAA/15 dtd.21.07.2015 for an area of 5.775 ha at Village- Dhingsara, Tehsil-Gadarwara, District-Narsinghpur (MP).

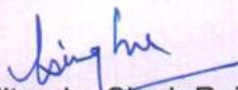
As per New Sand Mine Policy 2017, Mineral Resources Department, Govt. of M.P. has allotted/transferred non-operational sand mines to gram panchayat/ local body vide letter No. F-19-26/2017/12/1 dated 11.01.2018 and modification letter No. F-19-26/2017/12/1 dated 9.2.2018. PP(Gram Panchayat, Dhingsara, Narsinghpur) to make amendment in the Prior EC letter by changing the name of PP of the mining project in the name of Gram Panchayat, Dhingsara, Narsinghpur. The above application has been forwarded by Mining Division of Collector Office, Narsinghpur to SEIAA for transfer of prior EC in the name of Gram Panchayat, Dhingsara, Narsinghpur vide letter no. 800/ kha.li./ 2018 dtd 22.05.2018.

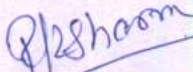
PP (Gram Panchayat, Dhingsara, Narsinghpur) has submitted the following documents in support of his request:


1. Application of Sarpanch, Gram Panchayat Dhingsara, Narsinghpur for transfer of Prior EC in favour of the Gram Panchayat Dhingsara, Narsinghpur.
2. No objection letter of previous Project Proponent (to whom prior EC was granted) for transfer of prior EC in the name of Gram Panchayat Dhingsara, Narsinghpur.
3. Notarised affidavit of Sarpanch/Secretary, Gram Panchayat Dhingsara, Narsinghpur mentioning that no legal action/ credible action has been initiated against the mine till date and commitment to comply all the standard and specific conditions stipulated in the prior EC issued.
4. Lease transfer order issued by Office of Collector (Mining Division) to Gram Panchayat, Dhingsara, Narsinghpur vide letter No. 1533/ kha.li./ 2018 dtd 25.01.2018.
5. Copy of Prior EC issued by MPSEIAA vide letter No. 3862/SEIAA/15 dtd. 21.07.2015.
6. NOC of State Mining Corporation for transfer of EC in the name of Gram Panchayat, vide letter no रेत /2017-18 /911 dated 13.3.2018.

As per the notification issued by MoEF&CC on 14.09.2006, the policy on transferability of EC is as follows:-

11. *Transferability of Environmental Clearance (EC):*

  
(Jitendra Singh Raj)  
Member Secretary

  
(R.K. Sharma)  
Member

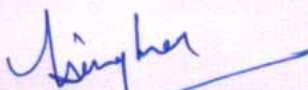
  
(Rakesh K. Shrivastava)  
Chairman




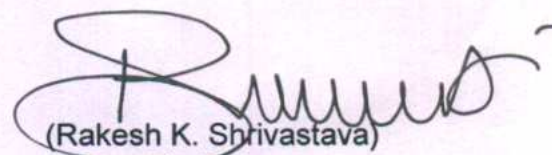
*A prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written "no objection" by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases*

After detailed discussions on the MoEF&CC Notification regarding transferability and perusal of the above information, it has been decided to transfer the Prior EC issued on 21.07.2015 in favour of **Sarpanch Gram Panchayat, Dhingsara, Narsinghpur** in the place of **Shri Jagdish Basantani, Manager, M/s Bridge and Roof Company (India),** Hall Mukaam Cheechli, Tehsil-Gadarwara, Narsinghpur (MP)-487551 for Sand Quarry (opencast manual method) in an area of 5.775 ha. for production capacity of 1,60,000 cum/year at Khasra no.-29/1 at Village- Dhingsara, Tehsil-Gadarwara, District-Narsinghpur (MP) on the same terms & conditions and validity period under which the prior environmental clearance was initially granted. Copy to PP and all concerned.

*Meeting ended with a vote of thanks to the Chair.*

  
(Jitendra Singh Raje)  
Member Secretary

  
(R.K. Sharma)  
Member

  
(Rakesh K. Shrivastava)  
Chairman