

OFFICE OF THE CHIEF ENGINEER GANGA BASIN REWA (M.P.)

Memo No G/W/MP/1-48 of 21 / 6647
To,

Rewa, dated 12/12/2021.

Project Head
Bandha Coal Block
M/S EMIL Mine and Mineral Resources Ltd.
Distt. Singrauli (M.P.)

Sub- Approval of D.P.R. for construction of Catch drain in Bandha and Kanchanmuda Nallas with in Mine lease Area.

Ref- Your letter No.EMMRL/Bandha/Nalla/DPR/2021-22/43 dated 29-11-2021.

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With reference to above cited subject. The proposed to train primary streamlet flow along inner area of mine boundary through Catch drain and sedimentation pond. The peak flow estimated is 120 Cum/Sec for catch drain design. It is proposed to construct 13740 M length catch drain. The average hydraulic gradient will be 1:100. The catch drain will be constructed in trapezoid sage 1.5 H:1 side slop with floor width 4 m, 3m water depth and 2 m free board.

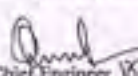
The above DPR is approved with following conditions:-

- 1- During monsoon period surface run off should pass through sedimentation pond to arrest debris and total suspended solids (T S S) before water will be discharge d into Bandha and Kanchanmuda Nallas.
- 2- During non monsoon period mine seepage, water should be treated to the extent of B I S standard for drinking water (IS: 10500-2012) before discharging into Bandha and Kanchanmuda Nallas.
- 3- All expenditure on account of construction of catch drain will be borne by Company.
- 4- The land acquisition for construction of catch drain belonging to either Govt. or Private will be responsibility of Company.
- 5- Permission from forest department and other departments will be the responsibility of Company.
- 6- During construction of catch drain there should not be any damage to any structure made by M.P. Government.

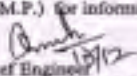
Encl- One copy of D.P.R.

Encl.No. G/W/MP/1-48 of 21 / 6648
Copy forwarded to :-

The Executive Engineer Water Resources Dn. No.2 Singrauli (M.P.) for information.


Chief Engineer 18/12
Ganga Basin Rewa (M.P.)

Rewa, dated 12/12/2021.


Chief Engineer 12/12
Ganga Basin Rewa (M.P.)

Srushti Seva Private Limited

"Divyadar" B, Janta Layout
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Email : srspri5@gmail.com, Tel : 0712-2971998
CIN No.- U74120MH2014PTC255876

SrSP/2021-22/01

CERTIFICATE

The Report entitled "Report on Hydrology with Detailed Project Report" of Bandha Coal Block, District Singrauli, Madhya Pradesh for the proponent M/s. EMI Mines and Mineral Resources Limited (EMMRLL), has been prepared as per prevailing guidelines in vogue by Central and State government.

The data has been collected and analyzed as per the standard methods prescribed by competent agencies. Scientific tools and methods are used to assess the data. Professional judgment, based on technical skills and competence in hydrogeology, is used in preparing this report. Every possible due diligence has been done to verify and place the facts and figures in this report.



N.K.PRASAD,

NABET Accredited Functional Area Expert (GW and Hydrology) for MoEF
Accredited Groundwater Professional for CGWA

* Approved vide Letter No. G/W/MP/1-46/
GG47 of 21 dated 13-12-2021



Chief Engineer

Singrauli Water Resources Dept.
Raipur (M.P.)