



ପ୍ରତିଶୋଧ ଥାରନ

ଗତନ୍ତ୍ରରେ କେହି ମୁାୟ ହୁଏଛି। ଦୀର୍ଘ ଶାସନ ବି ଅନେକଙ୍କ ପାଇଁ କାଳ ହୋଇଛି। ଗତେଶ୍ୱର ଯେଉଁମାନେ କ୍ଷମତାରେ ସରିଗଲା ପରେ ଭାବିନ୍ଦିତ ଯେ ଚୋକିତା ସେମାନଙ୍କ ପାଇଁ ଆଜୀବନ ରହିଥିବ, ତାହା ବାରାଧର ଭୂମି ପ୍ରାମାଣିତ ହେବାରେ ଲାଗିଛି। କେମ୍ବର ଶାସନ କରୁଥିବା ଭାଜପା ସରକାର ନିକଟରେ ଲୋକ ସଭାରେ ଆନ୍ତରିକ ବା ବିଲ୍ଲୁ ନେଇ ଏବେ ବିବାଦ ଦେଖାଇଛି। ଦେଶର ପ୍ରଧାନମନ୍ତ୍ରୀ, କୌଣସି ରାଜ୍ୟ ବା କେବୁ ଶାସିତ ଅଞ୍ଚଳର ମୁଖ୍ୟମନ୍ତ୍ରୀ କିମ୍ବା କେନ୍ଦ୍ର/ରାଜ୍ୟର ମନ୍ତ୍ରୀମାନେ ଶାସନ ଆପାରାଧିକ ମାମାଲାରେ ୩୦ ଦିନ ପାଇଁ ବିରତ ହେଲେ ସେମାନେ ଏବେ ପଦରୁ ଆପେ ଆପେ ହରିଯିବେ ବୋଲି ଉଚ୍ଚ ବିଲରେ ଦର୍ଶାଯାଇଛି। ସରକାରଙ୍କ ଦ୍ୱାରା ଆଗର ଉଚ୍ଚ ପ୍ରସ୍ତୁତି ଆଜନକୁ ବିରୋଧୀ ତାତ୍ର ବିଶେଷ କରିବା ସହ ଏ ସାମାଜିକ କାଗଜକୁ ରିଟ୍ ପିଞ୍ଜିଥିବା ଦେଖାଇବା ମିଳିଛି।

ପ୍ରସ୍ତୁତି ଆଜନର ସ୍ଵର୍ଗପୂର୍ବ ଦେଖିଲେ ସାଧାରଣ ଲୋକ ଭାବିବାରେ ଯେ, ଏହାବାରା ରାଜନୀତି ଅପରାଧମୁକ୍ତ ହେବ ଓ ଦୂର୍ମାତ୍ର ହ୍ରାସ ପାଇଯିବା। କିନ୍ତୁ ଦୂର୍ମାତ୍ର ମାମାଲାରେ ଗିରିପ ହୋଇ ଜେଳ ଯାଇଥିବା ଅନେକ ରାଜନେତା ପରିବର୍ତ୍ତା ସମୟରେ ଦୋଷା ସାଧ୍ୟ ହୋଇ ନ ଥାଏଇ। ଏହାର ଅର୍ଥ ହେଲା ବସ୍ତୁ ସମୟରେ ରାଜନେତାଙ୍କ ଉଦ୍ଦେଶ୍ୟ ରାଜାଗା ଦଳ ବିରୋଧାଙ୍କୁ ରାଗେଟ କରିଥାଏଇଥାଏଇ। କେମ୍ବର ଶାସନ କରୁଥିବା ଦଳ ରାଜ୍ୟରେ ଥିବା ବିପକ୍ଷ ଦଳର ମନ୍ତ୍ରୀ ବା ନେତାଙ୍କୁ ଜେଲରେ ପେଶିବା ପାଇଁ କ୍ଷେତ୍ରୀୟ ଦେବତାଙ୍କାର ସଂଗ୍ରହିତ୍ତୁ ଲାଗାଇ ଦେଖାଇଥାଏଇ। ନିକଟ ଅନ୍ତରେ ଉଦ୍ଦେଶ୍ୟରେ ଦେଖିଲେ ଦିଲାଇ ପ୍ରତିତିମ୍ବିନ୍ ମୁଖ୍ୟମନ୍ତ୍ରୀ ଅରବିନ୍ କେତିପାଇୁଳା ଓ ଧାରଣଶୈର ବର୍ଜନାର ପ୍ରମାଣନ୍ତ୍ରୀ ହେବାକୁ ସେମାନଙ୍କୁ ନିଯାମିତାପାରେ। ନିର୍ବାଚନ ପୂର୍ବରୁ ସେମାନଙ୍କୁ ଜେଲରେ ରଖାଇଥାଏଇ ସାଧ୍ୟ ହୋଇଥାଏଇ କେବଳ ଦୋଷା ସାଧ୍ୟ କରାଯାଇପାରି ନାହିଁ। ସେହିପରି ତାଙ୍କ ମୁଖ୍ୟ ପରେ ମଧ୍ୟ ସିଦ୍ଧ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପୂର୍ବତିମୁକ୍ତ ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ।

ସ୍ବର୍ଗ ରାଜନେତିକ ଦଳଙ୍କ ମାନସିକତା ଗୋଟିଏ ଜାଗାରେ ମିଶାଯାଉଛି। ସେହିପରି ରାଜନେତାର ମଧ୍ୟ ସିଦ୍ଧ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ଅର୍ଥାତ୍ ଭାବେ ଖାତାଙ୍କର ପ୍ରମାଣନ୍ତ୍ରୀ ମନ୍ତ୍ରୀ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ।

ଅଧ୍ୟାବଧ ତାଙ୍କ ବିଶେଷରେ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ। ତେଣୁ କେବୁ ପକ୍ଷରେ ଏବେ ପଦକ୍ଷେପ କେବଳ ଦୋଷା ସାଧ୍ୟ ହୋଇଥାଏଇ ନାହିଁ।



ଡ. ରଜନିକାନ୍ତ ମିଶ୍ର

ଗୋଟିଏ ମୁଖ୍ୟ ଓ ବେଳେ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ।

ଗୋଟିଏ ମୁଖ୍ୟ ଓ ବେଳେ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ସେମାନେ ପରିବର୍ତ୍ତନ କଥାବାର୍ତ୍ତନ କରୁଥିଲେ, ଶାଦ୍ୟ ବାସ୍ତଵରେ ଏବେ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବିନେ ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ।

ଗପ ପକ୍ଷର ଲାଗି ଉଦ୍ଦିଷ୍ଟ ଏହି ପଦକ୍ଷେପ, ଆମେରିକାର ସାର୍ଥକର ଧାରଣାକାରୀ ମଧ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ଯେପରି ବେଳେ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ, ମୁଖ୍ୟ କରୁଥିଲେ ଏବେ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ, ଶାଦ୍ୟ ବାସ୍ତଵରେ ଏବେ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ। ବେଳେ ଏକ ସାର୍ଥକର ଧାରଣା ଆପିଲ୍‌ମୁଖ୍ୟ ପାଇଁ ବେଳେ ରାଜନେତାଙ୍କ କରୁଥିଲେ।

ବୁନ୍ଦାୟ ତେଜେତିହାରରେ କିନ୍ତୁ, ଏହାକୁ ପରିବର୍ତ୍ତନ କରୁଥିଲେ। ବୁନ୍ଦାୟ ଅର୍ଥାତ୍ ଏହାକୁ ପରିବର୍ତ୍ତନ କରୁଥିଲେ।

ବୁନ୍ଦାୟ ଏହାକୁ ପରିବର୍ତ୍ତନ କରୁଥିଲେ। ବୁନ୍ଦାୟ ଏହାକୁ ପରିବର୍ତ୍ତନ କରୁଥିଲେ।

ବୁନ୍ଦାୟ ଏହାକୁ ପରିବର୍ତ୍ତ



GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT FOREST AND CLIMATE CHANGE

(Issued by the State Environment Impact Assessment Authority (SEIAA), ODISHA)

Dated: 22.08.2025

To,
 Sri. Debendra Kumar Nanda, CVO & Land Officer
 M/s. Odisha Mining Corporation Ltd.
 OMC House, Post Box No. 34, Bhubaneswar,
 Adjacent to Odisha Legislative Assembly,
 Dist- Khordha, PIN-751001
 parivesh@odishamining.in



Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/529528/2025 dated 20/03/2025 for grant of prior Environmental Clearance (EC) to the project Enhancement in Production capacity of Iron Ore from 0.328 million TPA to 0.995 million TPA from Tiringpahar Iron Ore Mine (ML Area – 79.30 Ha.) along with two proposed integrated mobile crushing and screening plant of 200 TPH & 250 TPH in addition to one existing integrated mobile crushing and screening plant of 200 TPH capacity located in Village - Kundrupani, Tahasil-Barbil, District- Keonjhar under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

- (i) EC Identification No. EC25B0000OR5895696N
- (ii) File No. 529528/32-MINB1/03-2025
- (iii) Clearance Type Fresh EC
- (iv) Category B1
- (v) Project/Activity Included Schedule No. 1(a) Mining of minerals

Expansion of Iron Ore Production capacity from 0.328 million TPA to 0.995 million TPA of Tiringpahar Iron Ore Mine (ML Area – 79.30 Ha) of M/s. Odisha Mining Corporation Limited along with two proposed integrated mobile crushing and screening plant of 200 TPH & 250 TPH in addition to one existing integrated mobile crushing and screening plant of 200 TPH capacity at Village - Kundrupani, Tehsil: Barbil, District: Keonjhar under the provision of the EIA Notification 2006-and as amended thereof.

3. In view of the particulars given in the Para 1 above, the project proposal inter alia including Form-1(Part A, B and C)/ EIA & EMP Report, Application for EC were submitted to the SEIAA, Odisha for an appraisal by the State Level Expert Appraisal Committee (SEAC) under the provision of EIA notification 2006 and its subsequent amendments thereto.

4. The above-mentioned proposal has been considered for EC by SEAC in its meeting held on 17.06.2025. The minutes of the meeting and all the project documents as submitted by project proponent are available on Parivesh portal which can be accessed from the Parivesh portal by scanning the QR Code above.

5. The details of the project along with the salient features of the project as submitted by the project proponent in Form-1(Part A, B and C)/ EIA & EMP Report and as presented before SEAC are annexed to this EC as Annexure - 2.

6. The SEAC, after detailed deliberations made by the Project Proponent and the EIA Consultant, in its meeting held on 17.06.2025 under the provisions of EIA Notification 2006 and its subsequent amendments, recommended for grant of Environmental Clearance , stipulating various conditions.

7. The matter was again examined in the State Environment Impact Assessment Authority (SEIAA), Odisha in its 228th meeting held on 12.08.2025, recommendation of SEAC, clarification submitted by PP and in accordance with the EIA Notification, 2006 and further amendments thereto. After detailed deliberations in the matter, the Authority decided to grant Environmental Clearance (EC) with standard and specific condition as recommended by SEAC for an enhanced production capacity of Iron Ore from 0.328 MTPA to 0.995 MTPA valid upto the lease period of 23.08.2034.

8. Environmental Clearance (EC) is granted to the project valid upto the lease period of 23.08.2034 under the provisions of EIA Notification No. S.O. 1533 (E) dated the 14th September, 2006 of the Government of India in the erstwhile Ministry of Environment and Forests, as amended from time to time for proposed Enhancement in Production capacity of Iron Ore from 0.328 million TPA to 0.995 million TPA from Tiringpahar Iron Ore Mine (ML Area – 79.30 Ha.) along with two proposed integrated mobile crushing and screening plant of 200 TPH & 250 TPH in addition to one existing integrated mobile crushing and screening plant of 200 TPH capacity located in Village-Kundrupani, Tahasil-Barbil, District-Keonjhar M/s. Odisha Mining Corporation Ltd." with the following stipulations, environmental conditions and safeguards as given in Annexure - 1.

9. The Validity of EC shall be upto the lease period i.e. 23.08.2034.

10. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.

11. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

12. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

13. This issue with an approval of the Competent Authority.

Copy To:

1. Joint Secretary (IA Division), Ministry of Environment, Forests and Climate Change Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003 for information.

2. Additional Chief Secretary, Forests & Environment Dept., Government of Odisha for information.

3. Additional Secretary to Govt. Steel & Mines Department, Government of Odisha for Information and necessary action.

4. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for Information and necessary action.

5. Regional Officer, Integrated Regional Office (IRO), Ministry of Environment & Forests, A/3, Chandrasekharpur, Bhubaneswar for Information and necessary action.

6. Regional Director, CGWA, South Eastern Region, Bhujal Bhawan, Khandagiri, Bhubaneswar, PIN-751030 for Information and necessary action.

7. The Director of Mines, Odisha, Bhubaneswar for information and necessary action.

8. Collector & DM, Keonjhar, District-Keonjhar/DDM Joda for Information and necessary action.

9. Guard file for record/Website/Parivesh Portal.

Annexure 1

Specific EC Conditions (Mining Of Minerals)

1. Specific Condition

S. No.	EC Conditions
1.1	a) The proponent shall utilize different grades of iron ore (ROM) and waste generated according to IBM guidelines. b) PP shall carryout vetting of Traffic Study through working professors of any reputed institutions. The traffic study report shall be submitted to RO of Ministry as a part of six-monthly compliance report. c) The proponent shall carryout compensatory afforestation for the project site. d) The proponent shall adopt additional measures for dust suppression. e) To reduce the dependency on ground water and Kundra nala, the PP shall construct drainage and rainwater harvesting structures of appropriate dimensions within the lease at appropriate locations, based on a scientific study, and utilize the same to meet the water demand of the mine during non- monsoon season. f) The lessee shall take adequate safeguard measures to ensure the free flow of the nearby tributaries/nallahs if any. g) The EC is limited to secondary crushing and screening operations (dry process) as per approved mining plan. Under no circumstances, the lessee shall carry out any beneficiation activity (wet process) of low grade ore. h) All the ores (45-55) and +55 grades shall be used and ores & rejects shall be transported as per approved mining plan for their use. Only temporary stacks shall be operated. The mine shall avoid segregation & generation of fines and flow of silt during rainy session. i) Green processes like Controlled drilling, Environment friendly blasting, safe transportation and conveying, silt-management shall be followed as per guidelines. j) The PP shall install a wheel washing system at the exit point of the mine.
1.2	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned Regional Office of MoEFCC, Gol for compliance and record.
1.3	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
1.4	The Project Proponent shall carry out plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting thematic species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
1.5	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
1.6	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, whom suggestion / representation has been received while processing the proposal. State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
1.7	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
1.8	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, whom suggestion / representation has been received while processing the proposal. State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
1.9	The Project Proponent shall widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned Regional Office of MoEFCC, Gol for compliance and record.
1.10	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

2. Air Quality Monitoring And Preservation

S. No.	EC Conditions
2.1	The Project Proponent shall carry out plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting thematic species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
2.2	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
3.1	The Project Proponent shall install a minimum of 1 (one) online Ambient Air Quality Monitoring Stations in downwind direction to monitor critical parameters, relevant for mining operations. Monitoring of critical parameters, relevant for mining operations, of air pollution viz. PM10,PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B29016/20/90/PCI/1, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone shall be done periodically as per CPCB guidelines. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of the mine site.
3.2	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metallized road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
3.3	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
3.4	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed fugitive emission standards.

3.5	The project proponent shall monitor fugitive emissions in the ML area at least once in every quarter through labs recognised under Environment (Protection) Act, 1986. The project proponent shall carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the ML area atleast at four locations (one within and three outside the plant area at an angle of 120 each). covering upwind and downwind directions.
4. Water Quality Monitoring And Preservation	
S. No.	EC Conditions
4.1	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the leasefor management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstructionand/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area shall becarried out four times in a year viz. pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to SEIAA,SPCB and the Regional Office of MoEF & CC, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
4.2	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
4.3	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
4.4	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall beprescribedthroughConsenttoOperate(CTO) issuedbyconcernedStatePollutionControlBoard (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
4.5	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
4.6	Incase, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and SEIAA is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydrogeological study of the area.
4.7	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
4.8	Seawage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.
4.9	De-slitting of agricultural lands in buffer zone and beyond including nearby Nalas/rivers perennially periodically and perpetually caused due to wash up of minerals/OB/dumps shall be done as per SOP submitted. Retaining wall shall be constructed to ensure that no silt after wash up is escaped from the core / buffer zone of the mines.
5. Noise And Vibration Monitoring And Prevention	
S. No.	EC Conditions
5.1	The peak particle velocity at 500m distance or within the nearest habitation, which ever is closer shall be monitored periodically as per applicable DGMS guidelines.
5.2	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitats have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed, by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
5.3	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.
6. Mining Plan	
S. No.	EC Conditions
6.1	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, overburden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden &

13.5	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the RO,MoEF&CC as a part of six-monthly report.
13.6	Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the RO, Bhubaneswar, MoEF&CC, OSPCB & SEIAA, Odisha.

14. Miscellaneous

S. No.	EC Conditions
14.1	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
14.2	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the SEIAA & the concerned Regional Office,MoEF & CC, Central Pollution Control Board and State Pollution Control Board.The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Odisha State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective to the concerned Regional Office(RO),Bhubaneswar of MoEF&CC,Gol, Central Pollution Control Board and State Pollution Control Board.
14.3	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.
14.4	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC. The proponent shall submit/upload six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, Govt. of India, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
14.5	It shall be mandatory for the project management to submit six (06) monthly compliance reports on post environmental monitoring in respect of the stipulated terms and conditions in this Environmental Clearance to the State Environment Impact Assessment Authority (SEIAA),Odisha, SPCB & Integrated Regional Office of the Ministry of Environment & Forest, Odisha, the respective Zonal Office of CPCB and the SPCB in soft copies on 1st June and 1st December of each calendar year. No hard copy of six (06) monthly compliance reports shall be accepted by SEIAA. The proponent shall upload the compliance report including results of monitored data, as applicable in the Parivesh website of the Ministry for monitoring of EC Conditions, failing which EC is liable to be revoked. The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
14.6	The SEIAA, Odisha may revoke or suspend the EC, if implementation of any of the above stipulated conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter / modify the above conditions or stipulate any further condition in the interest of environment protection.
14.7	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.8	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
14.9	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
14.10	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

Annexure-2

- 1. Proposal in Brief:**
The highlights of the proposal as ascertained from the application submitted by the PP and observations of SEIAA are given as under:
- This is a proposal of M/s Odisha Mining Corporation Ltd. for Environmental Clearance for Enhancement in Production capacity of Iron Ore from 0.328 million TPA to 0.995 million TPA from Tiringpahar Iron Ore Mine (ML Area – 79.30 Ha.) along with two proposed integrated mobile crushing and screening plant of 200 TPH & 250 TPH in addition to one existing integrated mobile crushing and screening plant of 200 TPH capacity located in Village - Kundrapuni, Tahasil- Barbil, District- Keonjhar filed by Sri. Debendra Kumar Nanda, CVO & Land Officer.
 - Category: As per EIA Notification, 14th September 2006 followed by subsequent amendments, the proposed project falls under Category B1 – schedule 1 (a) – Mining of Minerals.
 - Details of TOR, if issued earlier: Terms of Reference (ToR), was issued by SEIAA, Odisha vide letter no. 469341/11-MIN/04-2024 dated 30.05.2024.
 - Public hearing details: Public Hearing for the Tiringpahar Iron Ore mine was held on 07.01.2025 at 11:00 am at Mouza-Baitaran Reserve Forest area (2 kms from village Kundrapuni, 01 km from village Kahndbandh and about 20 m from Delphajh Basti) in accordance with the Ministry of Environment, Forest & Climate Change, Govt of India, EIA Notification No. S.O. -1533 (E) dated 14.09.2006. Major issues raised during hearing were employment, health facilities and socio - economic development. A budget of Rs. 4.73 Crore has been earmarked under EMP to address the issues & suggestions raised during public hearing.
 - They have applied for expansion in Iron Ore Production capacity from 0.328 million TPA to 0.995 million TPA. The Iron ore mined out after the proposed expansion in Tiringpahar Iron Ore Mine will be directly sent to Steel Plants and Sponge Iron Plants and sold to prospective buyers.
 - Location and connectivity: The proposed project is located at Village- Kundrapuni, Tehsil: Barbil, District: Keonjhar, Odisha. The Mine site is located between latitude: 21°57'47.91952" to 21°58'09.12042" N and longitude 85°22'22.02792" to 85°23'14.45259"E. Core and buffer zone of the project is falls under the Survey of India Topo sheet No. F45N5 (73G/5), F45H8 (73F/8). Total mining lease is Forest Land. The mine is connected by SH-28 (~4.1 km in East Direction) and NH-520 (Earlier known as NH 215) (~6.0 km in NW direction). The nearest railway station is Jharoni Railway Station (~ 3.6 km in ESE Direction) and nearest airport is Veer Surendra Sai Airport, Jharsuguda (~135 km in West direction). Baitaran Reserve Forest falls within the Lease area. Nearest water body from mine site is Suna Nadi which is adjacent in West direction. Nearest Habitation present in the study area is Khandabandha which is 1.08 km in SE direction from the mine site. There is no WLS /National Park / Biosphere Reserve / Elephant Corridor / Tiger Reserve / Eco-Sensitive area within 10 km radius area of the proposed site.
 - Mining lease: Mining lease granted for Iron ore in favour of M/s. OMC Ltd. over an area of 85.469 ha. in Village Tiringpahar of Keonjhar District. Subsequently, the lease area was revised to 135.466 ha. and communicated to the Collector, Keonjhar. The lease deed was executed on 24.08.1964 for 30 years. The Lease was expired on 24.08.1994. First Renewal of mining lease was filled on 11.08.1993 over the reduced area of 79.30 ha. and granted for twenty years w.e.f. 24.08.1994 to 23.08.2014. Second renewal of mining lease filled over 79.30 ha. on 23.07.2013 within stipulated time and the same was pending as on date of commencement of MMDR Amendment Act, 2015 i.e. 12.01.2015. In terms of Rule 3 of Mineral (Mining by Govt. Company) Rules 2015, the period of original lease is deemed to be granted for 50 years i.e. from 24.08.1964 to 23.08.2014 over the reduced area of 79.30 ha. and in terms of Rule-3 (2) the period of said mining lease is further extended from 24.08.2014 to 23.08.2034. Period of validity of the said lease over 79.30ha. is extended and deemed to have been extended on 27.07.2019 up to 23.08.2034 subject to all terms and conditions of the said lease. Supplementary lease deed executed on 27.07.2019 and registered on 30.07.2019 and the lease is valid up to 23.08.2034
 - List of Statutory Clearances obtained earlier –

S. No. Particular Letter No & Date

Forest Clearance (FC)		
1.	Diversion of 79.30 hectares of Reserved Forest Land in Tiringpahar Mining lease area in favour of Orissa Mining Corporation Ltd.	Stage I: 8-54/2010-FC dated 27 Sept., 2017 Stage II: 8-54/2010-FC dated 18 April, 2019
2.	The process for settlement of rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been completed for the entire forest area over 79.30 ha. situated in Baitaran R.F. within Tiringpahar Iron Ore Mines of OMC Ltd. and Certificate for the same was issued by Collector, Keonjhar.	19.04.2010 & 22.02.2017

Existing Environmental Clearances (EC)

1.	Environmental Clearance for 0.328 million TPA Iron Ore Production in favour of M/s. Orissa Mining Corporation Limited.	J-11015/1082/2007-I/A. II (M) dated 12.06.2008
2.	Certification of six-monthly EC Compliance by IRO, MoEF & CC (IRO visit on 12.02.2025)	101-434/25//EPE/188 dated 20.02.2025 101-434/25//EPE/183 dated 20.02.2025
3.	Action taken report for partial complied condition submitted to IRO, MoEF & CC	428/OMC/TIOM/2025 dated 11.03.2025

Existing Consent for Establish (CTE)

1.	CTE for 0.328 million TPA Iron Ore Production Capacity under section 25 of Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981 in favour of M/s. Orissa Mining Corporation Limited.	8948/IND-II-CTE-6334 dated 29.08.2019
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Existing Consent for Operation (CTO)

1.	CTO for 0.328 million TPA Iron Ore Production Capacity under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981 in favour of M/s. Orissa Mining Corporation Limited.	110248/IND-I-CON-6333 dated 16.11.2020 Valid Up to 31.03.2025
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Past Production Details

1.	Past Production Details authenticated by Deputy Director of Mines, Joda Circle, Dist- Keonjhar.	Memo No. 1384 Mines, dated 20.04.2024
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Others NOZCs/Permissions

1.	NOC regarding 125 KLD Surface water abstraction from Kundra Nala has been obtained from Water Resource Department, Odisha.	Letter No. 17569/WR dated 24.07.2017
2.	The NOC for 55 KLD ground water withdrawal has been obtained from Central Ground Water Authority (CGWA).	Letter no. CGWA/NOC/MIN/REN/1/2023/ 7591 dated 11.04.2023 which will be Valid up to 17.02.2025
3.	NOC for deep hole Blasting under Regulation 106(2)(b) of the Metalliciferous Mine Regulations, 1961	Letter No. 330899 SEZ Chabasa Region Perm 2020 4260 dated 19.03.2020.
4.	Hazardous Waste Authorization in favour of Tiringpahar Iron Ore Mine of M/s. Odisha Mining Corporation Ltd.	IND-IV-HW-1366/12171 dt. 16.08.2021 and valid upto 31.03.2025.
5.	Authentication of flora & fauna for core zone and buffer zone.	List of Flora Fauna has been authenticated by DFO, Keonjhar Division Odisha.
6.	Authentication of Location Map showing RF, PF National Park, Wildlife sanctuaries, wildlife corridors, Tiger reserves within 10 km radius study area.	Location Map showing RF, PF National Park, Wildlife sanctuaries, wildlife corridors, Tiger reserves within 10 km radius study area have been authenticated by DFO, Keonjhar-Division.
7.	Approval of site-specific wildlife conservation plan for schedule I Species	IND-IV-HW-1366/12171 dt. 16.08.2021 and valid upto 31.03.2025.
8.	Request letter submitted to Forest Department for any additional interventions required as per standard TOR granted	Memorandum dated 11.03.2024
9.	Approval of Review of Mining Plan with Progressive Mine Closure Plan has been approved by IBM, Bhubaneswar.	Letter no. MCDRMiFL0FE/28/ 2023-BBSIBM_RO_BBS dated 06.02.2024.

ix) Summary of the products generated by the project:

Units'	Products and by Products	Existing	Additional	After expansion
Ironore	Product	0.328 MTPA	0.667 MTPA	0.995 MTPA

x) Mining Plan Details:

- Method of Mining: The existing mining operations are being done by Semi Mechanized- Opencast mining method with shovel dumper combination. After Expansion the mining operations will be done by Fully Mechanized Opencast mining method for mining IronOre. All operations of mining are/will be done by deployment of Heavy Earth Moving Machineries for deep hole drilling and blasting, excavation, loading & transport. Various mining activities such as drilling, blasting, loading, hauling and transportation is being/will be so conducted as to ensure maximum mineral conservation and minimum environmental degradation.

b) Mining Machineries:

S. No.	Equipment (Type)	Equipment (Make)	Capacity	Equipment (in Nos.)
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Transportation and Hauling Equipment

1.	Hauling Equipment	Volvo/Bharat/Benz/Eicher/Tata/Prima	19 m ³	09
2.	Hauling Equipment	Volvo/Bharat/Benz/Eicher/Tata/Prima	14 m ³	15

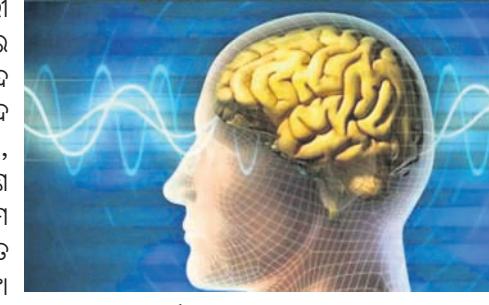
ମାନସିକତା ସକାରାମ୍ବଳ ରହିଲେ...

ଯଦି ଆପଣଙ୍କ ମାନସିକତା ଅଧିକାଂଶ ସମୟ ସକାରାମ୍ବଳ ରହିଲା ତେବେ ତାହାର ଏକ ଉପକାରୀ ଗୁଣ ଶରୀରକୁ ନିର୍ଧାରିତ ଏହାହାର ହୃଦୟରେ ପୂର୍ବମୁଖ୍ୟ ରହିଥାଏ। ତେବେ ହାର୍ଟ କିପରି ସ୍ଵେଚ୍ଛା ରହିବ ସେ ବିଷୟରେ ଆମେ ସତେଜ ହେବା ନିହାତି ଜୁଗା। 'ସକାରାମ୍ବଳ ମାନସିକତା ଏବଂ ହୃଦୟରେ' ବିଷୟରେ ଲକ୍ଷଣ ବିଶ୍ଵବିଦ୍ୟାକୟର ବିଶେଷଜ୍ଞମାନେ ଏକ ସର୍ତ୍ତ କରି ଏକଥା ଜାଣିପାରିଛନ୍ତି। ସେମାନଙ୍କ ପକ୍ଷର ପ୍ରବାରିତ ସର୍ତ୍ତ ରିପୋର୍ଟରେ ଉଲ୍ଲଙ୍ଘନ କରାଯାଇଛନ୍ତି ଯେ ଯଦି ଜଣେ ବ୍ୟକ୍ତି ନିଜର ମାନସିକତାକୁ ଅଧିକାଂଶ ସମୟ ସକାରାମ୍ବଳ ରହିବ, ତେବେ ତାଙ୍କ ହାର୍ଟ ଆହୁରି ସ୍ତରିଯୁ ଭାବେ କର୍ମ୍ୟ କରିବ। ଏହାର ଅନ୍ତର୍ଭୂତ ବ୍ୟକ୍ତିମାନଙ୍କ ମାନସିକତା ଅଧିକାଂଶ ସମୟ ସକାରାମ୍ବଳ ରହିବ, ସେମାନଙ୍କ ହାର୍ଟ ଅଧିକ ସ୍ତରିଯୁ ଭାବରେ କାମ କରିବାକୁ ନିର୍ଦ୍ଦେଶ ଦେଇଥିଲେ। ଯେଉଁମାନଙ୍କର ମାନସିକତା ଅଧିକାଂଶ ସମୟ ସକାରାମ୍ବଳ ରହିବ, ସେମାନଙ୍କ ହାର୍ଟ ଅଧିକ ସ୍ତରିଯୁ ଭାବରେ କାମ କରିବାକୁ ନିର୍ଦ୍ଦେଶ ଦେଇଥିଲେ।



ଅତ୍ୟନ୍ତ ମିଠା ଖାଇବା ସ୍ଵରଣଶକ୍ତିକୁ ପ୍ରଭାବିତ କରିପାରେ

ଆନ୍ଦେଶ ଲୋଭର ବଶବର୍ତ୍ତା ହୋଇ ଅଧିକ ପରିମାଣରେ ମିଠା ଖାଇବାକୁ ପସବ କରିଥାଏନ୍ତି। ଏହାର ସ୍ଵାଦ ହୁଏଟ ମିଠା ହୋଇପାରେ, ହେଲେ ଏହାର ପରିମାଣ ଅଧିକ ହେଲେ ତାହା ଆମ ଖରଣ ଶକ୍ତି ପ୍ରଭାବିତ କରିବାର ଯଥେଷ୍ଟ ଆଶଙ୍କା ରହିଛି। ଏତିକୁ ସର୍ତ୍ତର ସ୍ଵରଣ ଶକ୍ତି ଦେଇଛନ୍ତି କାଲିପାର୍ନିଆ ବିଶ୍ଵବିଦ୍ୟାଳୟ ମୁଣ୍ଡବିଜ୍ଞାନମାନେ। 'ଅତ୍ୟନ୍ତ ମିଠା ଓ ଖରଣ ଶକ୍ତି' ବିଷୟକୁ ନେଇ ହୋଇଥିବା ସର୍ତ୍ତର ଏତିକୁ ତଥ୍ୟ ମଳିପାରିଛି। ଏହି ସିଦ୍ଧାନ୍ତରେ ଉପନାଟ ହେବା ପୂର୍ବରୁ ସେମାନେ କିମି ବ୍ୟକ୍ତି ସର୍ତ୍ତର ପରିସରଭୂତ କରିଥିଲେ। ସେମାନଙ୍କୁ ମୁଳାଟି ଗୁପ୍ତରେ ବିଭିନ୍ନ କାର୍ଯ୍ୟକୁ ପାରିବା ଏବଂ ଅନ୍ୟ ଗୁପ୍ତରେ ବ୍ୟକ୍ତିମାନଙ୍କୁ ମନଙ୍ଗଳ ମିଠା ଖାଇବାକୁ ପରାମର୍ଶ ଦେଇଥିଲେ। ଅପରିପକ୍ଷର ନିର୍ଦ୍ଦେଶ ସମୟ ବ୍ୟକ୍ତିମାନରେ ଏହାର କି ପ୍ରକାର ପ୍ରଭାବ ସେମାନଙ୍କ ଖରଣ ଶକ୍ତି ଉପରେ ପ୍ରଭୁତ୍ବ ଭାବରେ କରି ଅନୁଧାନ ମଧ୍ୟ କରିଥିଲେ। ଯେଉଁମାନେ ଆବଶ୍ୟକତାରୁ ଅଧିକ ମିଠା ଖାଇଥିଲେ ସେମାନଙ୍କ ମଧ୍ୟରୁ ପ୍ରାୟ ୪୦ ପ୍ରତିଶତ ବ୍ୟକ୍ତିକୁ ସରଣଶକ୍ତିରେ ତାରମ୍ୟ ଦେଖିବାକୁ ମିଳିଥିଲା।



ଖାଲି ପେଟରେ ଚା-କପି ପିତଥୁଲେ...

'ଚା' ଓ କପି ଅନ୍ୟ ଅଂଶ ରହିଛି। ତେଣୁ ଖାଲିପେଟରେ ଏହାକୁ ପିତଲେ ଶାରାରରେ ଅମ୍ବ ଓ କାରାର ସତ୍ତାନ ବିପର୍ଯ୍ୟ ହୋଇପଡ଼ି। ସକାଳେ ପାକମ୍ବୁଲୀ ଭିତରେ କୌଣସି ଖାଦ୍ୟ ନ ଥାଏ। ଫଳରେ ପାକମ୍ବୁଲୀ ନରମ ଥାଏ। ସକାଳୁ ଖାଲି ପେଟରେ 'ଚା' ପିତଲେ ଟିକି ଉପରେ ପ୍ରତିକୁ ପ୍ରଭାବ ପରେ ଏବଂ ଦାର୍ଯ୍ୟକିଳିକ ପାକମ୍ବୁଲୀ ପ୍ରଦାନ ବା କ୍ରମିକ ଗାସିବାକୁ ଥାଏ। ଏହି କାରଣରୁ ଅର୍ଥାତ୍ ହୋଇ ଭୋକ ମରିଯାଇପାରେ। ବିଶେଷତାବରେ ଖାଲି ପେଟରେ କଢ଼ି ଚା' ପିତଲେ ପାକମ୍ବୁଲୀ ଅମ୍ବର କରିଯାଇପାରେ। ଏତଦ୍ୱାରା ସକାଳେ ଦିନଶା ଛାଇବା ପରେ ପରେ 'ଚା' କିମ୍ବା କପି ପିତଲେ ପାରିଥିବା ପ୍ରଦାନ କରିବା ପରେ ଏହାର କାରଣରୁ ଅର୍ଥାତ୍ ହୋଇ ଭୋକ ମରିଯାଇପାରେ। ତେଣୁ ସକାଳେ ଖାଲିପେଟରେ 'ଚା' କିମ୍ବା କପି ପିତଲେ କରିଥିଲେ ଏବଂ ଜାଗାରୁ ଅନ୍ୟ କାରଣରୁ ହୋଇଥାଏ। ଏହି କାରଣରୁ ଅର୍ଥାତ୍ ହୋଇ ଭୋକ ମରିଯାଇପାରେ। ଏତଦ୍ୱାରା ସକାଳେ ଦିନଶା ଛାଇବା ପରେ ଏହାର କାରଣରୁ ଅର୍ଥାତ୍ ହୋଇ ଭୋକ ମରିଯାଇପାରେ।



ସୌରଜଗତରେ ଅନ୍ତର୍ମାଣଟିକ ଅତିଥ୍ୱ

"ସୌରଜଗତ ବାହାରୁ ଏହା ଭିତରକୁ ପଶି ଆଏ ପୁଣି ପଳାଇ ଯାଇଥିବା ପ୍ରଥମ ଜଣା ଗୁହାଶୁର ନାମ ହେଉଛି ଓରମୁଆମୁଆ। ଏହାକୁ ଯୁକ୍ତରାଷ୍ଟ୍ର ଆମେରିକାର ହାତ୍ପାଇତାରେ ଥିବା ପାନସ୍ତ୍ରେ ଦୂରବାକ୍ଷଣ ଯନ୍ତ୍ର କାରା ୨୦୨୭ ମସିହା ଅକ୍ଟୋବର ୧୯ ତାରିଖରେ ଆବଶ୍ୟକ କରାଯାଇଥିଲା। ଏହି ପର୍ଯ୍ୟବେକ୍ଷଣ 'ନାସା'ର ପୃଥିବୀର ସମାପବର୍ଗ ବସୁଗୁଡ଼ିକ କାର୍ଯ୍ୟକ୍ରମର ଅନ୍ତର୍ଦ୍ଵାରା ସ୍ଵର୍ଯ୍ୟାମୁରୁ ଏହାର ନିକଟରେ ବିନ୍ଦୁରୁ ପ୍ରାୟ ୪୦ ଦିନ ଗଠି କରିବା ପରେ ଏହାକୁ ଆବଶ୍ୟକ କରାଯାଇଥିଲା। ଏହାର ନିଯୁତ କିମି ଦୂରରେ ଥିଲା। ଏହାର ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା ଏବଂ ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା।"



ବୌଦ୍ଧିକତା
ବୌଦ୍ଧିକତରେ ସମସ୍ତ ଗୁହାଶୁର ଏହା ଭିତରକୁ ପଶି ଆଏ ପୁଣି ପଳାଇ ଯାଇଥିବା ପ୍ରଥମ ଜଣା ଗୁହାଶୁର ନାମ ହେଉଛି ଓରମୁଆମୁଆ। ଏହାକୁ ଯୁକ୍ତରାଷ୍ଟ୍ର ଆମେରିକାର ହାତ୍ପାଇତାରେ ଥିବା ପାନସ୍ତ୍ରେ ଦୂରବାକ୍ଷଣ ଯନ୍ତ୍ର କାରା ୨୦୨୭ ମସିହା ଅକ୍ଟୋବର ୧୯ ତାରିଖରେ ଆବଶ୍ୟକ କରାଯାଇଥିଲା। ଏହି ପର୍ଯ୍ୟବେକ୍ଷଣ 'ନାସା'ର ପୃଥିବୀର ସମାପବର୍ଗ ବସୁଗୁଡ଼ିକ କାର୍ଯ୍ୟକ୍ରମର ଅନ୍ତର୍ଦ୍ଵାରା ସ୍ଵର୍ଯ୍ୟାମୁରୁ ଏହାର ନିଯୁତ କିମି ଦୂରରେ ଥିଲା। ଏହାର ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା ଏବଂ ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା।"

ଏହାକୁ ଯୁକ୍ତରାଷ୍ଟ୍ର ଆମେରିକାର ହାତ୍ପାଇତାରେ ଥିବା ପାନସ୍ତ୍ରେ ଦୂରବାକ୍ଷଣ ଯନ୍ତ୍ର କାରା ୨୦୨୭ ମସିହା ଅକ୍ଟୋବର ୧୯ ତାରିଖରେ ଆବଶ୍ୟକ କରାଯାଇଥିଲା। ଏହାର ନିଯୁତ କିମି ଦୂରରେ ଥିଲା। ଏହାର ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା ଏବଂ ଆବଶ୍ୟକ କାନାଟର ଜ୍ୟୋତିର୍ବିଦ୍ୟାର ରହିଥିଲା।

</div

ଏକ ସୁଗର ଅବସାନ

ନୂଆଦିଲ୍ଲୀ, ୨୪୩ (ପି.ଟି.)

ଚେଷ୍ଟେ ସେଶାଲିଷ୍ଟ ଚେତେଶ୍ୱର ପୁଜାରା ରବିତାଯ ଭାରତୀୟ କ୍ରିକେଟର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅଳଦିଦା କରିଛନ୍ତି। ସେ ସେବିତାଲ ମିଠା କରିଥାରେ ତାଙ୍କ ଅବସର ଘୋଷଣା କରିଛନ୍ତି। ୨୦୧୦ରେ ପଦାପଣ କରିଥିବା ମଧ୍ୟ ପୁଜାରା ଭାରତୀୟ କର୍ତ୍ତରେ ୨୦୧୩ରେ ଅନ୍ତିମ ଥର୍ମ ହେଲିଥିଲେ। ୧୦୩ ଚେଷ୍ଟେ ମ୍ୟାରେ ୪୩.୩୦ ଆଭରଜରେ ୭,୧୯୪ ରନ କରିଥିଲେ। ଏଥରେ ୧୯ ଶତକ ଓ ୩୪ ଅର୍ଦ୍ଧଶତକ ସାମିଲ ଥିଲା। ସେ ଗୋଟିଏ କିମ୍ବାରେ ସର୍ବଧୂଳ ଅପାରାଜିତ ୨୦୨ ରନ କରିଥିଲେ। ତାଙ୍କ ଅବସର ସହ ଭାରତୀୟ କ୍ରିକେଟର ଏକ ସୁଗର ଅବସାନ ଘଟିଛି। ତାଙ୍କ ପୂର୍ବରୁ ତାଙ୍କ ସାଥୀ ଖେଳାଳି ବ୍ୟାଟିଂର ପ୍ରଶଂସା କରିଛନ୍ତି।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ ପାଇଁ ଖେଳିବାର ସୁଯୋଗ ଜାଇ ଅନେକ କିମ୍ବା ଦେଇଛନ୍ତି। ଭାରତୀୟ କିମ୍ବାର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅବସର ନେବାକୁ ନିଷ୍ପତ୍ତି କରିଛନ୍ତି” ବୋଲି ପୁଜାରା ପୋଷିରେ ଉଲ୍ଲେଖ କରିଛନ୍ତି। ସେ ଘୋରେ କ୍ରିକେଟର ସୌରାଷ୍ଟ୍ର ପାଇଁ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତ ୨୦୧୮ ଓ ୨୦୧୯ ଅନ୍ତର୍ଜାଲୀରେ ଭାରତ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତ ୨୦୧୮ ଓ ୨୦୧୯ ଅନ୍ତର୍ଜାଲୀରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ ପାଇଁ ଖେଳିବାର ସୁଯୋଗ ଜାଇ ଅନେକ କିମ୍ବା ଦେଇଛନ୍ତି। ଭାରତୀୟ କିମ୍ବାର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅବସର ନେବାକୁ ନିଷ୍ପତ୍ତି କରିଛନ୍ତି” ବୋଲି ପୁଜାରା ପୋଷିରେ ଉଲ୍ଲେଖ କରିଛନ୍ତି। ସେ ଘୋରେ କ୍ରିକେଟର ସୌରାଷ୍ଟ୍ର ପାଇଁ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ ପାଇଁ ଖେଳିବାର ସୁଯୋଗ ଜାଇ ଅନେକ କିମ୍ବା ଦେଇଛନ୍ତି। ଭାରତୀୟ କିମ୍ବାର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅବସର ନେବାକୁ ନିଷ୍ପତ୍ତି କରିଛନ୍ତି” ବୋଲି ପୁଜାରା ପୋଷିରେ ଉଲ୍ଲେଖ କରିଛନ୍ତି। ସେ ଘୋରେ କ୍ରିକେଟର ସୌରାଷ୍ଟ୍ର ପାଇଁ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ ପାଇଁ ଖେଳିବାର ସୁଯୋଗ ଜାଇ ଅନେକ କିମ୍ବା ଦେଇଛନ୍ତି। ଭାରତୀୟ କିମ୍ବାର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅବସର ନେବାକୁ ନିଷ୍ପତ୍ତି କରିଛନ୍ତି” ବୋଲି ପୁଜାରା ପୋଷିରେ ଉଲ୍ଲେଖ କରିଛନ୍ତି। ସେ ଘୋରେ କ୍ରିକେଟର ସୌରାଷ୍ଟ୍ର ପାଇଁ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ ପାଇଁ ଖେଳିବାର ସୁଯୋଗ ଜାଇ ଅନେକ କିମ୍ବା ଦେଇଛନ୍ତି। ଭାରତୀୟ କିମ୍ବାର ସମ୍ପୂର୍ଣ୍ଣ ପରିମାଣରେ ଅବସର ନେବାକୁ ନିଷ୍ପତ୍ତି କରିଛନ୍ତି” ବୋଲି ପୁଜାରା ପୋଷିରେ ଉଲ୍ଲେଖ କରିଛନ୍ତି। ସେ ଘୋରେ କ୍ରିକେଟର ସୌରାଷ୍ଟ୍ର ପାଇଁ ଖେଳିଥିଲେ। ପୁଜାରାଙ୍କ ଅବସର ସର୍ପକରେ ସୌରାଷ୍ଟ୍ର କିମ୍ବାର ଆପାଦିତ ଶରୀରର ସାହାପତ୍ର ଜହାନରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ। ତାଙ୍କ ପ୍ରତିକିର୍ତ୍ତରେ ଭାରତୀୟ ଚେଷ୍ଟେ ଦଳର କାହିଁ ଭାବେ ଖେଳିଥିଲେ।

“ମୁଁ ପିଲା ବେଳୁ ବାପା-ମାଙ୍କ ସହ ଭାରତୀୟ ଦଳ ପାଇଁ ଖେଳାଳି ଲକ୍ଷ୍ୟ ରଖିଥିଲା। ଏହି ଖେଳ ମୋଡେ ଅଭିଭାବା, ଉଦ୍‌ଦେଶ୍ୟ, ଭଲ ପାଇବା ଓ ସବୁରୁ ବଢ଼ି ନିଜ ରାଜ୍ୟ ଓ ମହାନ୍ ଦେଶ