

7129

Government of Odisha
Forest & Environment Department

No.10F (Con) 70/2014 15940 -0- /F&E, Bhubaneswar, dated the 28-8-14

ORDER

Sub: Diversion of 249.9685 ha of forest land in Rebana Reserved Forests in respect of Daitari Extension Area (Mining Infrastructure and Township) of M/s O.M.C. Ltd in Keonjhar district of Odisha

WHEREAS, M/s Odisha Mining Corporation Ltd, Bhubaneswar, has applied for diversion of 249.9685 ha of forest land in Rebana Reserved Forests in respect of their Daitari Extension Area (Mining Infrastructure and Township) in Keonjhar district of Odisha.

And whereas, the Ministry of Environment & Forests,(hereinafter referred to as MoEF), Government of India, has accorded 'in-principle' approval on the proposal vide its letter F.No. 8-02/2013-FC dt. 13.1.2014(ANNEXURE-1).

And whereas, the MoEF&CC, Government of India, in consideration of the compliance of the conditions of the 'in-principle' approval, has accorded final approval to the diversion of forest land in favour of above mentioned user agency vide its letter F.No. 8-02/2013-FC dt. 27.8.2014(Annexure-2) under Section 2 of the Forest (Conservation) Act, 1980;

Now therefore, the Government of Odisha, do hereby allow diversion of 249.9685ha of Reserved Forest land in Rebana Reserved Forests of Keonjhar district, **detailed authenticated boundary description of RF land diverted by MOEF as furnished by DFO, Keonjhar(WL) Division in his letter No. 1981 dated 27.8.2014, appended herewith as Annexure-3,** for Daitari Extension Area (Mining Infrastructure and Township) of Odisha Mining Corporation Ltd. in Keonjhar district of Odisha , subject to fulfillment of the conditions stipulated by the MoEF&CC, Government of India.

The Divisional Forest Officer, Keonjhar(WL) Division is authorized to handover the Reserved forest land, as has been diverted, to the user agency prescribing due procedure of law. Before handing over the forest land to the user agency, it shall be ensured that Net Present Value for forest land for this project as well as any other projects, belonging to same user agency, is deposited by them in full, at applicable rates.

The Divisional Forest Officer, Keonjhar(WL) Division is also directed to monitor compliance to the conditions stipulated for such diversion in the respective forest/Wildlife clearance order and to report violations, if any, to the Nodal Officer, O/O Pr. CCF, Odisha and to the Forest & Environment Department.

Execution of project activities will be subject to availability of all other statutory clearances required under relevant Act/Rules for this project.

By order of Governor

Swain
(Dr. Debabrata Swain)

Special Secretary to Government

Memo No. 15941 /F&E, Dated: 28-8-14

Copy along with the copy of Annexure 1, Annexure-2 and Annexure-3 above forwarded to the Principal Chief Conservator of Forests, Odisha for kind information and necessary follow up action.

Appropriate instruction to the Divisional Forest Officer of Keonjhar(WL) Forest Division and user agency may be imparted for required follow up action at their end. It may be ensured by the Divisional Forest Officer that Net Present Value for the forest land involved in this project of user agency as well as for any other projects of the same user agency, is deposited by them in appropriate head of account in Adhoc-CAMPA in full, at applicable rates. The user agency may also be instructed to furnish compliance to the conditions of forest/Wild life clearance pertaining to the project in every quarter to the Divisional Forest Officer, Keonjhar(WL) Division for facilitating monitoring of compliances.

Memo No. 15942 /F&E, Dated: 28-8-14

Copy along with the copy of annexures as above forwarded to the Asst. Inspector General of Forests, Government of India, MoEF&CC(FC Division), Indira Paryavaran Bhawan, Jor Bagh, Aliganj Road, New Delhi, Pin-110003/Addl. Principal Chief Conservator of Forests(Central), MoEF&CC, Government of India, A/3, Chandrasekharpur, Bhubaneswar for kind information and necessary follow up action in compliance to the order of Hon'ble NGT dt. 7.11.2012 in Appeal No. 7/2012 communicated by the MOEF, Government vide their letter F. No.7-23/2012-FC dt. 24.7.2013.

Memo No. 15943 /F&E, Dated: 28-8-14

Copy along with the copy of annexures as above forwarded to the Pr. CCF(WL)&CWLW, Odisha/Director, Environment, F&E department/ Member Secretary, State Pollution Control Board, Odisha for information and necessary action.

Memo No. 15944 /F&E, Dated: 28-8-14

Copy along with the copy of annexures as above forwarded to the Regional Chief Conservator of Forests, Rourkela/ Collector, Keonjhar/Divisional Forest Officer, Keonjhar(WL) Forest division for information and immediate necessary compliance.

It may be ensured by the Divisional Forest Officer that Net Present Value for the forest land involved in this project of user agency as well as for any other projects of the same user agency, shall be deposited by them in full at applicable rates in appropriate head of account in Adhoc-CAMPA before handing over of the forest land to user agency. The user agency may also be instructed to furnish compliance to the conditions of forest/Wild life clearance pertaining to the project in every quarter to the Divisional Forest Officer concerned for facilitating monitoring of compliances by them.

The Divisional Forest Officer, Keonjhar(WL) Division is also instructed to ensure that the direction given to the user agency are executed immediately.

Swain
Special Secretary to Government

Memo No. 15945 /Dated. 28-8-14

Copy along with the copy of annexures as above forwarded to the Steel & Mines Department/Revenue & Disaster Management Department for information and necessary action.

Memo No. 15946 /Dated. 28-8-14

Special Secretary to Government

Copy along with the copy of annexures as above forwarded to the Private Secretary to Hon'ble Minister of Forest & Environment for kind information of Hon'ble Minister.

Memo No. 15947 /Dated. 28-8-14

Special Secretary to Government

Copy along with the copy of the enclosures forwarded to Managing Director, Odisha Mining Corporation Ltd. for information and immediate necessary action.

The user agency is asked to take following actions immediately as per orders of Hon'ble National Green Tribunal dt. 7.11.2012 in Appeal No. 7/2012 communicated by the MOEF, Government vide their letter F. No.7-23/2012-FC dt. 24.7.2013.

- (i) *They shall publish the entire forest clearance granted in verbatim along with conditions and safeguards imposed by the Central Government in Stage-I/II forest clearance in two widely circulated daily newspapers one in vernacular language and the other in English language so as to make people aware of the permission granted to the Project for use of forest land for non-forest purposes.*
- (ii) *They shall submit the copies of forest clearance orders granted by the Central Government/State Government to the Heads of local bodies, Panchayats and Municipal bodies along with the relevant offices of the State Government, who in turn shall display the same for 30 days from date of receipt.*
- (iii) *Detailed action taken in compliance to the above order of State Government shall be intimated to the DFO, Keonjhar(WL) Division/RCCF, Rourkela/ Pr. CCF, Odisha/F&E Department for reference.*

Besides the above, the user agency is also asked to deposit Net Present Value of forest land for this project and for any other projects belonging to them in full, if not deposited yet, at applicable rates.

The user agency shall furnish compliances to the conditions prescribed in the forest/wildlife clearance order to the Divisional Forest Officer, Keonjhar(WL) Division in every quarter, for the purpose of monitoring by them.

Memo No. 15948 Dated- 28-8-14

Special Secretary to Government

Copy with copy of enclosure forwarded to the O.I.C., State Portal, N.I.C., I.T..Department, Odisha Secretariat, Bhubaneswar/ M/s Luminous Infoways Pvt. Ltd, Sadhana, N-6/373, Nayapalli, Jayadev Vihar, Bhubaneswar-15 for information and necessary action. They are requested to upload this letter along with enclosed forest clearance order of Government of India, MoEF in the website of Forest & Environment Department **immediately** for information of all concerned. **This is required in compliance to order of Hon'ble National Green Tribunal dt. 7.11.2012 in Appeal No. 7/2012. Hence this may be done unflinchingly.**

Special Secretary to Government.

F.No. 8-02/2013-FC
Government of India
Ministry of Environment and Forests
(F.C. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi -110003.
Dated:13th January, 2014

To,
The Principal Secretary (Forests),
Government of Odisha,
Bhubaneswar.

Sub: Diversion of 249.9685 hectares of forest land in Rebena RF in respect of Daitari Extension area (Mining Infrastructure & Township) of M/s. OMC Ltd. in Keonjhar district.

Sir,

I am directed to refer to the Government of Odisha's letter No 10F (Cons) 488/ 2012-167/ F & E dated 3rd January 2013 on the above mentioned subject, seeking prior approval of the Central Government under section 2 of the Forest (Conservation) Act, 1980, and their letter No. 10 F (Cons.) -5/ 2013-14311/ F & E dated 11th July 2013 vide which they have submitted additional information as sought by this Ministry vide letter of even number dated 25th April 2013, and to say that the said proposal has been examined by the Forest Advisory Committee constituted by the Central Government under section-3 of the aforesaid Act.

2. After careful consideration of the proposal of the State Government of Odisha and on the basis of the recommendations of the Forest Advisory Committee, the Central Government hereby agrees to accord stage-I approval for the diversion of 249.9685 hectares of forest land in Rebena RF in respect of Daitari Extension area (Mining Infrastructure & Township) of M/s. OMC Ltd. in Keonjhar district, subject to the fulfillment of the following conditions:

- (i) Legal status of the diverted forest land shall remain unchanged;
- (ii) Compensatory afforestation over the non-forest land equal in extent to the forest land being diverted shall be raised and maintained by the State Forest Department at the cost of the User Agency;
- (iii) The non-forest land identified for raising compensatory afforestation shall be transferred and mutated in favour of the State Forest Department before issue of the Stage-II clearance;
- (iv) The non-forest land which is transferred and mutated in favour of the State Forest Department for the purpose of compensatory afforestation, shall be declared as Reserved Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act. The Nodal Officer must report compliance within a period of six (6) months and send a original

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- notification of RF/ PF as the case may be to the Central Government for confirmation and record;
- (v) User agency shall transfer the cost of raising and maintaining the compensatory afforestation, at the current wage rate, to the State Forest Department;
 - (vi) The State Government shall charge the Net Present Value (NPV) of the forest land being diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 28.03.2008, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No. 202/1995 and the guidelines issued by this Ministry vide its letter No. 5-3/2007-FC dated 05.02.2009 in this regard;
 - (vii) At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
 - (viii) The funds realised from the user agency shall be transferred to the ad-hoc CAMPA in the concerned saving bank account in the Corporation Bank, CGO Complex, Lodi Road, New Delhi;
 - (ix) The user agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
 - (x) State Government shall raise penal compensatory afforestation from funds to be realized from the user agency, over degraded forest land twice in extent to the forest land utilized for non-forest purpose without obtaining prior approval under the FC Act;
 - (xi) State Government shall realize from the user agency penal NPV @ 20 % of the rates applicable on the date of grant of the Stage-I approval, of forest land utilized for non-forest purpose without obtaining prior approval under the FC Act for each year or fraction thereof. (Explanation: In case a patch of forest land has been utilized for non-forest purpose without obtaining approval under the FC Act for 3 years, penal NPV to be realised in respect of such forest land will be at the rate of 60 % of the rates applicable on the date of grant of stage-I approval.);
 - (xii) The Regional Office (Eastern Zone), Bhubaneshwar having jurisdiction over the forest land proposed to be diverted is located, shall enquire into the matter of use of forest land for non-forest purpose without obtaining prior approval of Central Government under the Forest (Conservation) Act, 1980 and shall file complaint against persons prima-facie found guilty of violation of the Forest (Conservation) Act, 1980;
 - (xiii) The State Government of Odisha shall enquire into the matter and initiate proceedings in accordance with the provisions of the Indian Forest Act, 1927 and the Orissa Forest Act, 1972 against persons prima-facie found guilty of violation of these Acts.
 - (xiv) User agency in consultation with State Government shall identify the patches of tree/ forest growth within the forest land proposed to be diverted. These patches shall be

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maintained as mandatory green areas/forest parks. User agency shall also afforest the blank/ degraded patches located within the forest land proposed to be diverted;

- (xv) User agency shall endeavor to install closed conveyor corridor, wherever feasible, to minimize transportation of ore through trucks, to the extent possible;
- (xvi) User agency shall prepare a site specific wildlife conservation plan as per the guidelines provided by the Chief Wildlife Warden, Odisha and provide funds for its implementation;
- (xvii) User agency should take appropriate measures such as construction of ponds, water conservation / harvesting structure, to ensure conservation of water in and around the project site;
- (xviii) User agency shall provide sufficient funds to the State Forest/ Environment departments to organize environmental awareness programme to generate awareness among the employees as well as local residents on issues pertaining to conservation and protection of environment;
- (xix) State Government shall commission a study from funds to be provided by the user agency to assess impact of this project on floral and faunal biodiversity and shall take appropriate measures at the project cost to mitigate the identified impacts; and
- (xx) Out of the existing three approach roads to the railway siding, only two roads will be used. Area occupied by the third road will be developed as a green patch.
- (xxi) The layout plan of the proposal shall not be changed without the prior approval of the Central Government;
- (xxii) No labour camp shall be established on the forest land;
- (xxiii) The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;
- (xxiv) The user agency in consultation with the State Forest Department shall create and maintain alternate habitat/ home for the avifauna, whose nesting trees are to be cleared in this project. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;
- (xxv) The forest land shall not be used for any purpose other than that specified in the proposal and under no circumstances be transferred to any other agency; department or person;
- (xxvi) The user agency shall provide alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
- (xxvii) The boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, forward and back bearing and distance from pillar to pillar;

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(xxviii) Felling of trees on the forest land being diverted shall be reduced to the bare minimum and the trees should be felled under strict supervision of the State Forest Department;

(xxix) The State Government shall complete settlement of rights, in terms of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence as prescribed by this Ministry in its letter No. 11-9/1998-FC (pt.) dated 03.08.2009, read with letter No. 11-9/1998-FC- (pt.) dated 5.2.2013, in support thereof;

(xxx) Any other condition that the Regional Office (Eastern Zone), Bhubaneswar may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife;

(xxxi) The user agency shall submit the annual report on compliance to conditions stipulated in the approval to the State Government and the concerned Regional Office of this Ministry; and

(xxxii) The User Agency and the State Government shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.

3. After receipt of the report on compliance to the conditions stipulated in the paragraph-2 above, from the State Government of Odisha, final/ stage-II approval for diversion of the said forest under Section-2 of the Forest (Conservation) Act, 1980 will be issued by this Ministry. Transfer of to the said forest land to the user agency shall not be affected by the State Government of Odisha till final/stage-II approval for its diversion is issued by this Ministry.

Yours faithfully,

S/L

(H. C. Chaudhary)

Assistant Inspector General of Forests

Copy to:

1. The Principal Chief Conservator of Forests, Government of Odisha, Bhubaneswar.
2. The Nodal Officer, Forest Department, Government of Odisha, Bhubaneswar.
3. The Addl. Principal Chief Conservator of Forests (Central), Regional Office (Eastern Zone), Bhubaneswar.
4. Dy. General Manager, Dulanga Coal Mining Project, Plot No. 681/26, Mission Road, Sundargarh, 770 001 Odisha.
5. Monitoring Cell, FC Division, MoEF, New Delhi.
6. Guard File.

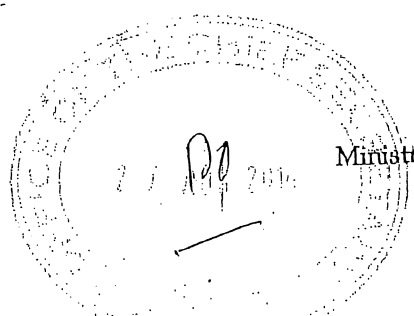
(H. C. Chaudhary)

Assistant Inspector General of Forests

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Pr. Secy (F&E)

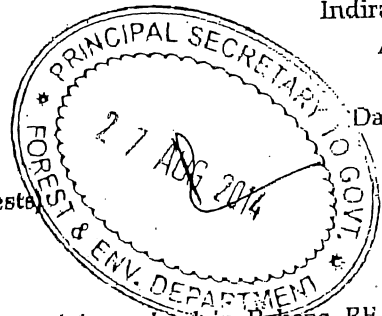
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F. No. 8-02/2013-FC
Government of India

Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road
New Delhi -110 003
Dated: 27th August, 2014



State-II order

To,

The Principal Secretary (Forests)
Government of Odisha
Bhubaneswar.

Sub: Diversion of 249.9685 hectares of forest land in Revena RF in respect of Daitari Extension area (Mining Infrastructure & Township) of M/s. OMC Ltd. in Keonjhar district.

Sir,

I am directed to refer to the Government of Odisha's letter No 10F (Cons) 488/ 2012-167/ F & E dated 3rd January 2013 on the above-mentioned subject, wherein prior approval of the Central Government for the diversion of 249.9685 hectares of forest land in Revena RF in respect of Daitari Extension area (Mining Infrastructure & Township) of M/s. OMC Ltd. in Keonjhar district, was sought, in accordance with Section 2 of the Forest (Conservation) Act, 1980. After careful consideration of the proposal by the Forest Advisory Committee constituted by the Central Government under Section-3 of the said Act, in-principle approval for the said diversion was granted vide this Ministry's letter of even number dated 13th January 2014, subject to fulfillment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

2. In this connection, I am directed to say that on the basis of the compliance report furnished by the Government of Odisha vide their letter No. 10F (Cons)-70/2014-7232/ F & E dated 23rd April 2014, No. 10 F (Cons.)-70/2014-11206/ F & E dated 21st June 2014 and No. 10F (Cons)-70/2014 -15150/ F & E date 16th August 2014, approval of the Central Government is hereby granted under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 249.9685 hectares of forest land in Revena RF in respect of Daitari Extension area (Mining Infrastructure & Township) of M/s. OMC Ltd. in Keonjhar district, subject to fulfillment of the following conditions:

- (i) Legal status of the diverted forest land shall remain unchanged;
- (ii) State Government shall create and maintain from funds realised from the State Government compensatory afforestation over the non-forest land equal in extent to the forest land being diverted from funds realised from the user agency;

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draft received
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- (iii) The non-forest land which is transferred and mutated in favour of the State Forest Department for the purpose of compensatory afforestation, shall be declared as Reserved Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act. The Nodal Officer must report compliance within a period of six (6) months and send a original notification of RF/ PF as the case may be to the Central Government for confirmation and record;
- (iv) The State Government shall realise from the user agency the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India and transfer the same to the ad-hoc CAMPA under intimation to this Ministry;
- (v) The user agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
- (vi) State Government shall raise penal compensatory afforestation from funds realized from the user agency, over degraded forest land twice in extent to the forest land utilized for non-forest purpose without obtaining prior approval under the Forest (Conservation) Act, 1980;
- (vii) Regional Office (Eastern Zone), Bhubaneswar having jurisdiction over the forest land proposed to be diverted is located, shall enquire into the matter of use of forest land for non-forest purpose without obtaining prior approval of Central Government under the Forest (Conservation) Act, 1980 and shall file complaint against persons prima-facie found guilty of violation of the Forest (Conservation) Act, 1980;
- (viii) The patches of tree/ forest growth within the forest land being diverted identified by the User agency in consultation with the State Government shall be maintained as mandatory green areas/forest parks. User agency shall also afforest the blank/ degraded patches located within the forest land diverted as per scheme technically approved by the RCCF, Rourkela ;
- (ix) User agency shall endeavor to install closed conveyor corridor, wherever feasible, to minimize transportation of ore through trucks, to the extent possible;
- (x) User agency and the State Government shall implement a site specific wildlife conservation plan duly approved by the PCCF (WL) and Chief Wildlife Warden, Odisha from the funds provided/ to be provided by the user agency;
- (xi) User agency should take appropriate measures such as construction of ponds, water conservation / harvesting structure, to ensure conservation of water in and around the project site;
- (xii) User agency shall provide sufficient funds to the State Forest/ Environment departments, as per the tentative scheme prepared by the Divisional Forest Officer, Keonjhar Wildlife Division to organize environmental awareness programme to

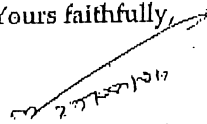
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- generate awareness among the employees as well as local residents on issues pertaining to conservation and protection of environment;
- (xiii) State Government shall commission a study from funds to be provided by the user agency to assess impact of this project on floral and faunal biodiversity and shall take appropriate measures at the project cost to mitigate the identified impacts;
 - (xiv) Out of the existing three approach roads to the railway siding, only two roads will be used. Area occupied by the third road will be developed as green patch as per the scheme duly approved by the Regional Chief Conservator of Forests, Rourkela;
 - (xv) The layout plan of the proposal shall not be changed without the prior approval of the Central Government;
 - (xvi) No labour camp shall be established on the forest land;
 - (xvii) The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;
 - (xviii) The user agency in consultation with the State Forest Department shall create and maintain alternate habitat/ home for the avifauna, whose nesting trees are to be cleared in this project as per the scheme duly approved by the Regional Chief Conservator of Forests, Rourkela. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;
 - (xix) The forest land shall not be used for any purpose other than that specified in the proposal and under no circumstances be transferred to any other agency, department or person;
 - (xx) The user agency shall provide alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
 - (xxi) The boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, forward and back bearing and distance from pillar to pillar;
 - (xxii) Felling of trees on the forest land being diverted shall be reduced to the bare minimum and the trees should be felled under strict supervision of the State Forest Department;
 - (xxiii) Any other condition that the Regional Office (Eastern Zone), Bhubaneswar may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife;

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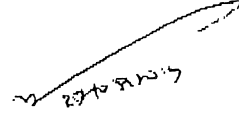
- (xxiv) The user agency shall submit the annual report on compliance to conditions stipulated in the approval to the to the State Government and the concerned Regional Office of this Ministry; and
- (xxv) The User Agency and the State Government shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.

Yours faithfully,


(H. C. Chaudhary)
Director

Copy to:

1. The Principal Chief Conservator of Forests, Government of Odisha, Bhubaneswar.
2. The Nodal Officer, the Forest (Conservation) Act, 1980, O/o the Principal Chief Conservator of Forests, Government of Odisha, Bhubaneswar.
3. The Addl. Principal Chief Conservator of Forests (Central), Regional Office (Eastern Zone), Bhubaneswar.
4. User agency.
5. Monitoring Cell, FC Division, MoEF, New Delhi.
6. Guard File.


(H. C. Chaudhary)
Director

ANNEXURE- XII

**Boundary Description of the forest area over 249.968 ha under use by OMC Ltd. in Daitari
Extension Area in Rebanu Reserved Forest in Keonjhar District, Odisha**

A. Daitari Township Block

The Starting point C1 is located at a distance of 184.10 mtr from Daitari ML boundary Pillar No. B with a magnetic bearing of $184^{\circ}31'52''$ on Daitari ML boundary line. The magnetic bearing of the line C₁- C₂ is $137^{\circ}16'17''$. Then the line runs as follows in a clockwise direction.

Station		Interior Angle	Distance in Mtrs	Co-ordinates	
From	To			Longitude	Latitude
C ₁	C ₂	$46^{\circ}33'54''$	53.482	$85^{\circ}49'16.69836''$	$21^{\circ}06'54.40248''$
C ₂	C ₃	$213^{\circ}13'30''$	216.237	$85^{\circ}49'17.97276''$	$21^{\circ}06'53.13924''$
C ₃	C ₄	$236^{\circ}13'58''$	63.834	$85^{\circ}49'25.25736''$	$21^{\circ}06'51.48612''$
C ₄	C ₅	$179^{\circ}35'45''$	167.294	$85^{\circ}49'26.80176''$	$21^{\circ}06'52.81308''$
C ₅	C ₆	$100^{\circ}27'50''$	168.263	$85^{\circ}49'31.02852''$	$21^{\circ}06'56.53764''$
C ₆	C ₇	$195^{\circ}11'10''$	35.86	$85^{\circ}49'35.72940''$	$21^{\circ}06'53.29908''$
C ₇	C ₈	$229^{\circ}14'44''$	50.458	$85^{\circ}49'36.88104''$	$21^{\circ}06'52.86096''$
C ₈	C ₉	$153^{\circ}16'30''$	86.856	$85^{\circ}49'38.42868''$	$21^{\circ}06'53.62524''$
C ₉	C ₁₀	$205^{\circ}26'23''$	47.90	$85^{\circ}49'41.43900''$	$21^{\circ}06'53.66124''$
C ₁₀	C ₁₁	$214^{\circ}11'43''$	30.343	$85^{\circ}49'42.92616''$	$21^{\circ}06'54.36684''$
C ₁₁	C ₁₂	$150^{\circ}46'42''$	36.362	$85^{\circ}49'43.45428''$	$21^{\circ}06'55.22040''$
C ₁₂	C ₁₃	$164^{\circ}24'54''$	137.533	$85^{\circ}49'44.53932''$	$21^{\circ}06'55.82196''$
C ₁₃	C ₁₄	$70^{\circ}18'04''$	68.212	$85^{\circ}49'49.12644''$	$21^{\circ}06'57.03804''$
C ₁₄	C ₁₅	$152^{\circ}29'00''$	200.054	$85^{\circ}49'48.95436''$	$21^{\circ}06'54.82584''$
C ₁₅	C ₁₆	$239^{\circ}41'49''$	52.656	$85^{\circ}49'45.30000''$	$21^{\circ}06'49.29660''$
C ₁₆	C ₁₇	$162^{\circ}22'20''$	10.365	$85^{\circ}49'46.15428''$	$21^{\circ}06'47.78316''$
C ₁₇	C ₁₈	$242^{\circ}29'15''$	260.799	$85^{\circ}49'46.21584''$	$21^{\circ}06'47.45124''$
C ₁₈	C _{18A}	$96^{\circ}11'10''$	30.275	$85^{\circ}49'54.84576''$	$21^{\circ}06'44.92872''$
C _{18A}	C _{19A}	$232^{\circ}49'30''$	166.801	$85^{\circ}49'57.55440''$	$21^{\circ}06'44.20944''$
C _{19A}	C ₂₀	$292^{\circ}00'10''$	123.505		
C ₂₀	C ₂₁	$103^{\circ}31'50''$	256.705	$85^{\circ}50'00.38076''$	$21^{\circ}06'43.49556''$
C ₂₁	C ₂₂	$178^{\circ}36'24''$	135.251	$85^{\circ}50'09.08232''$	$21^{\circ}06'41.75424''$
C ₂₂	C ₂₃	$178^{\circ}44'16''$	145.418	$85^{\circ}50'13.64136''$	$21^{\circ}06'40.73112''$
C ₂₃	C ₂₄	$249^{\circ}48'24''$	59.478	$85^{\circ}50'18.51864''$	$21^{\circ}06'39.54024''$
C ₂₄	C ₂₅	$128^{\circ}44'40''$	66.583	$85^{\circ}50'19.69296''$	$21^{\circ}06'41.13000''$
C ₂₅	C ₂₆	$170^{\circ}45'45''$	78.259	$85^{\circ}50'21.99552''$	$21^{\circ}06'41.27616''$
C ₂₆	C ₂₇	$90^{\circ}16'40''$	60.584	$85^{\circ}50'24.69624''$	$21^{\circ}06'41.04000''$
C ₂₇	C ₂₈	$278^{\circ}23'56''$	171.827	$85^{\circ}50'24.51516''$	$21^{\circ}06'39.07692''$
C ₂₈	C ₂₉	$79^{\circ}39'12''$	32.2	$85^{\circ}50'30.46236''$	$21^{\circ}06'39.37140''$
C ₂₉	C ₃₀	$95^{\circ}16'46''$	151.934	$85^{\circ}50'30.46236''$	$21^{\circ}06'39.37176''$
C ₃₀	C ₃₁	$182^{\circ}00'46''$	161.52	$85^{\circ}50'25.05912''$	$21^{\circ}06'38.49156''$
C ₃₁	C ₃₂	$258^{\circ}41'38''$	79.004	$85^{\circ}50'19.46112''$	$21^{\circ}06'38.48364''$
C ₃₂	C ₃₃	$158^{\circ}47'25''$	118.179	$85^{\circ}50'18.94092''$	$21^{\circ}06'35.96112''$
C ₃₃	C ₃₄	$134^{\circ}12'10''$	66.719	$85^{\circ}50'16.73520''$	$21^{\circ}06'32.72256''$
C ₃₄	C ₃₅	$158^{\circ}57'35''$	111.379	$85^{\circ}50'14.47512''$	$21^{\circ}06'32.26356''$
C ₃₅	C ₃₆	$175^{\circ}14'12''$	199.429	$85^{\circ}50'10.66920''$	$21^{\circ}06'32.86836''$
C ₃₆	C _{36A}	$184^{\circ}38'51''$	236.351	$85^{\circ}50'03.96852''$	$21^{\circ}06'34.45884''$
C _{36A}	C _{36B}	$216^{\circ}33'43''$	80.674		
C _{36B}	C ₃₇	$318^{\circ}20'0''$	283.182		

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Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
C ₃₇	C ₃₈	122°23'19"	70.961	85°50'02.87700"	21°06'32.17212"
C ₃₈	C ₃₉	135°25'50"	67.152	85°50'03.62328"	21°06'29.97324"
C ₃₉	C ₄₀	156°22'46"	54.688	85°50'02.57496"	21°06'28.02348"
C ₄₀	C ₄₁	163°56'15"	100.927	85°50'01.11300"	21°06'26.89128"
C ₄₁	C ₄₂	140°55'15"	29.311	85°49'57.89964"	21°06'25.59492"
C ₄₂	C ₄₃	167°30'20"	430.169	85°49'56.93016"	21°06'25.88004"
C ₄₃	C ₄₄	305°57'26"	32.437	85°49'43.79160"	21°06'32.49216"
C ₄₄	C ₄₅	79°18'14"	91.045	85°49'43.95288"	21°06'31.44816"
C ₄₅	C ₄₆	185°15'29"	170.826	85°49'40.80216"	21°06'31.61088"
C ₄₆	C ₄₇	176°40'42"	146.466	85°49'34.88628"	21°06'31.39344"
C ₄₇	C ₄₈	130°53'02"	35.845	85°49'29.81064"	21°06'31.46976"
C ₄₈	C ₄₉	212°25'36"	60.77	85°49'29.01540"	21°06'32.36508"
C ₄₉	C ₅₀	167°35'25"	134.216	85°49'27.01236"	21°06'32.97636"
C ₅₀	C ₅₁	187°21'47"	96.61	85°49'22.99152"	21°06'35.17128"
C ₅₁	C ₅₂	102°47'17"	32.459	85°49'19.90092"	21°06'36.37980"
C ₅₂	C ₅₃	260°53'45"	74.536	85°49'20.09928"	21°06'37.41912"
C ₅₃	C ₅₄	186°59'16"	54.644	85°49'17.65884"	21°06'38.21400"
C ₅₄	C ₁	99°5'43"	487.069	85°49'15.80664"	21°06'38.58408"

B. Water Reservoir Block

The Starting point D1 is located at a distance of 1482.70 mtr from the ML boundary pillar No. B with a magnetic bearing of 322°55'29". The Magnetic Bearing of line D₁ D₂ is 356° 12'55" and then the line runs as follows in an anti clockwise direction.

Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
D ₁	D ₂	216°32'26"	32.653	85°48'45.36972"	21°07'38.65980"
D ₂	D ₃	190°21'49"	90.013	85°48'45.28944"	21°07'39.71928"
D ₃	D ₄	181°35'56"	104.363	85°48'45.59364"	21°07'42.63240"
D ₄	D ₅	184°45'8"	116.772	85°48'46.02888"	21°07'46.00200"
D ₅	D ₆	222°50'38"	57.848	85°48'46.82988"	21°07'49.72440"
D ₆	D ₇	208°42'56"	55.64	85°48'48.45924"	21°07'50.82132"
D ₇	D ₈	187°57'28"	42.442	85°48'50.37120"	21°07'51.05964"
D ₈	D ₉	99°55'6"	29.951	85°48'51.84216"	21°07'51.04272"
D ₉	D ₁₀	183°49'20"	122.579	85°48'52.03836"	21°07'51.99924"
D ₁₀	D ₁₁	173°47'24"	141.610	85°48'52.40520"	21°07'53.40684"
D ₁₁	D ₁₂	135°51'27"	51.038	85°48'53.49960"	21°08'00.49920"
D ₁₂	D ₁₃	168°40'33"	33.725	85°48'52.40160"	21°08'01.79880"
D ₁₃	D ₁₄	160°52'44"	87.288	85°48'51.50160"	21°08'02.50080"
D ₁₄	D ₁₅	151°54'5"	63.144	85°48'43.89840"	21°08'03.09840"
D ₁₅	D ₁₆	169°47'59"	45.923	85°48'46.50120"	21°08'03.19920"
D ₁₆	D ₁₇	194°49'10"	46.26	85°48'45.00000"	21°08'02.69880"
D ₁₇	D ₁₈	179°39'36"	37.629	85°48'43.40160"	21°08'02.60160"
D ₁₈	D ₁₉	189°46'36"	43.382	85°48'42.09840"	21°08'02.50080"
D ₁₉	D ₂₀	175°54'13"	40.388	85°48'40.60080"	21°08'02.60160"
D ₂₀	D ₂₁	80°47'23"	15.643	85°48'39.20040"	21°08'02.60160"
D ₂₁	D ₂₂	274°48'8"	66.636	85°48'39.30120"	21°08'02.10120"
D ₂₂	D ₂₃	177°52'37"	46.566	85°48'37.00080"	21°08'01.89960"
D ₂₃	D ₂₄	190°57'31"	54.899	85°48'35.39880"	21°08'01.70160"

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Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
D ₂₄	D ₂₅	184°58'5"	177.688	85°48'33.50160"	21°08'01.79880"
D ₂₅	D ₂₆	65°37'43"	51.269	85°48'27.39960"	21°08'02.60160"
D ₂₆	D ₂₇	169°38'1"	103.15	85°48'27.90000"	21°08'00.99960"
D ₂₇	D ₂₈	224°31'30"	61.862	85°48'29.49840"	21°07'58.00080"
D ₂₈	D ₂₉	229°51'30"	69.306	85°48'28.19880"	21°07'56.39880"
D ₂₉	D ₃₀	173°56'58"	40.294	85°48'25.80120"	21°07'56.30160"
D ₃₀	D ₃₁	102°56'50"	77.088	85°48'24.40080"	21°07'56.10000"
D ₃₁	D ₃₂	220°41'10"	82.112	85°48'24.19920"	21°07'53.60160"
D ₃₂	D ₃₃	195°44'1"	73.415	85°48'22.20120"	21°07'51.70080"
D ₃₃	D ₃₄	70°43'6"	37.913	85°48'20.00160"	21°07'50.49840"
D ₃₄	D ₃₅	148°51'44"	61.282	85°48'20.99880"	21°07'49.69920"
D ₃₅	D ₃₆	234°51'52"	51.575	85°48'23.10120"	21°07'49.40040"
D ₃₆	D ₃₇	76°37'13"	37.913	85°48'23.90040"	21°07'47.89920"
D ₃₇	D ₃₈	198°47'50"	43.216	85°48'24.90120"	21°07'48.69840"
D ₃₈	D ₃₉	122°51'22"	31.285	85°48'26.30160"	21°07'49.19880"
D ₃₉	D ₄₀	234°45'00"	44.403	85°48'26.49960"	21°07'50.19960"
D ₄₀	D ₄₁	185°54'05"	105.037	85°48'27.90000"	21°07'50.80080"
D ₄₁	D ₄₂	190°37'58"	109.186	85°48'21.30120"	21°07'51.80160"
D ₄₂	D ₄₃	243°16'24"	124.491	85°48'35.10000"	21°07'52.39920"
D ₄₃	D ₄₄	239°32'52"	77.516	85°48'37.59840"	21°07'49.10160"
D ₄₄	D ₄₅	98°55'40"	57.886	85°48'36.50040"	21°07'46.80120"
D ₄₅	D ₄₆	262°51'8"	57.141	85°48'38.19960"	21°07'45.80040"
D ₄₆	D ₄₇	196°52'26"	44.456	85°48'37.40040"	21°07'44.10120"
D ₄₇	D ₄₈	206°39'47"	47.043	85°48'36.39960"	21°07'42.99960"
D ₄₈	D ₄₉	53°48'57"	47.291	85°48'34.89840"	21°07'42.39840"
D ₄₉	D ₅₀	230°44'17"	68.624	85°48'36.29880"	21°07'41.59920"
D ₅₀	D ₅₁	212°45'53"	117.102	85°48'36.69840"	21°07'39.39960"
D ₅₁	D ₅₂	37°38'13"	112.628	85°48'35.10000"	21°07'35.90040"
D ₅₂	D ₅₃	304°54'59"	37.011	85°48'38.49840"	21°07'37.70040"
D ₅₃	D ₅₄	81°49'05"	40.507	85°48'38.40120"	21°07'36.50160"
D ₅₄	D ₅₅	311°46'25"	66.059	85°48'39.80160"	21°07'36.59880"
D ₅₅	D ₅₆	174°55'7"	108.806	85°48'38.40120"	21°07'34.89960"
D ₅₆	D ₅₇	139°52'4"	201.203	85°48'36.39960"	21°07'31.90080"
D ₅₇	D ₅₈	97°52'7"	112.638	85°48'37.49638"	21°07'25.43789"
D ₅₈	D ₅₉	74°28'16"	121.866	85°48'41.40000"	21°07'25.50000"
D ₅₉	D ₆₀	215°55'55"	55.064	85°48'40.20120"	21°07'29.30160"
D ₆₀	D ₆₁	217°15'38"	55.464	85°48'40.79880"	21°07'31.00080"
D ₆₁	D ₆₂	182°23'49"	66.224	85°48'42.40080"	21°07'32.00160"
D ₆₂	D ₆₃	216°19'58"	74.019	85°48'44.33950"	21°07'33.15195"
D ₆₃	D ₆₄	187°24'21"	58.997	85°48'46.90080"	21°07'32.99880"
D ₆₄	D ₆₅	99°9'41"	32.843	85°48'48.89880"	21°07'32.59920"
D ₆₅	D ₆₆	122°46'3"	77.728	85°48'49.29840"	21°07'33.60000"
D ₆₆	D ₆₇	180°47'12"	35.207	85°48'47.90160"	21°07'35.60160"
D ₆₇	D ₆₈	186°43'36"	37.699	85°48'46.90080"	21°07'36.50160"
D ₆₈	D ₁	168°33'56"	42.4	85°48'46.19880"	21°07'37.40160"

C. Conveyor Belt, Processing and stacking Block

The Starting point P1 is located at a distance of 2416.30 mtr from the MI boundary Pillar No. B with a magnetic bearing of 183° 32' 27" on Daitari Mining Lease boundary line. The magnetic bearing of line P₁-P₂ is 81° 30' 23". Then the line runs as follows in a clockwise direction

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Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
P ₁	P ₂	102°1'56"	32.00	85°49'12.88200"	21°05'41.56512"
P ₂	P ₃	202°18'25"	44.185	85°49'13.88712"	21°05'41.70300"
P ₃	P ₄	169°18'57"	220.875	85°49'15.18060"	21°05'42.47232"
P ₄	P ₅	180°44'41"	57.378	85°49'22.32336"	21°05'45.05388"
P ₅	P ₆	179°2'13"	50.898	85°49'24.17160"	21°05'45.74256"
P ₆	P ₇	184°9'9"	65.995	85°49'25.80960"	21°05'46.35672"
P ₇	P ₈	182°40'37"	41.555	85°49'27.90156"	21°05'47.22396"
P ₈	P ₉	167°34'5"	216.715	85°49'29.17776"	21°05'47.85000"
P ₉	P ₁₀	178°56'0"	67.636	85°49'36.42492"	21°05'49.69968"
P ₁₀	P ₁₁	178°24'24"	77.053	85°49'41.30220"	21°05'50.87220"
P ₁₁	P ₁₂	182°54'9"	149.547	85°49'46.35876"	21°05'51.93888"
P ₁₂	P ₁₃	186°7'54"	45.587	85°49'47.88516"	21°05'52.32084"
P ₁₃	P ₁₄	187°00'00"	274.987	85°49'56.75340"	21°05'55.59540"
P ₁₄	P ₁₅	246°31'43"	137.316	85°49'56.92476"	21°06'00.05832"
P ₁₅	P ₁₆	95°27'19"	226.994	85°50'04.77780"	21°06'00.49608"
P ₁₆	P ₁₇	186°29'8"	85.255	85°50'07.68012"	21°06'01.01592"
P ₁₇	P ₁₈	180°8'48"	14.919	85°50'08.19132"	21°06'01.08756"
P ₁₈	P ₁₉	169°42'55"	308.294	85°50'18.87576"	21°06'01.07496"
P ₁₉	P ₂₀	177°19'15"	283.893	85°50'28.74660"	21°06'01.31400"
P ₂₀	P ₂₁	266°58'0"	20.068	85°50'28.70448"	21°06'00.66240"
P ₂₁	P ₂₂	84°15'31"	129.052	85°50'33.13212"	21°06'00.48996"
P ₂₂	P ₂₃	190°3'16"	11.443	85°50'33.52848"	21°06'00.50328"
P ₂₃	P ₂₄	170°37'39"	63.388	85°50'35.68308"	21°06'00.10224"
P ₂₄	P ₂₅	239°3'58"	295.759	85°50'42.49140"	21°06'07.29288"
P ₂₅	P ₃₀	167°20'33"	460.649		
P ₃₀	P ₃₁	173°37'35"	88.918	85°50'55.41216"	21°06'16.09200"
P ₃₁	P ₃₂	171°14'52"	63.963	85°50'58.09164"	21°06'17.52048"
P ₃₂	P ₃₃	216°52'41"	66.403	85°51'00.17208"	21°06'18.23832"
P ₃₃	P ₃₄	151°48'39"	127.814	85°51'01.38744"	21°06'20.07216"
P ₃₄	P ₃₅	258°18'22"	91.89	85°51'05.25708"	21°06'22.09536"
P ₃₅	P ₃₆	98°36'53"	46.462	85°51'04.30416"	21°06'24.94692"
P ₃₆	P ₃₇	262°30'22"	72.065	85°51'05.74236"	21°06'25.62660"
P ₃₇	P ₃₈	91°24'55"	79.209	85°51'04.96332"	21°06'27.85356"
P ₃₈	P ₃₉	149°12'29"	49.736	85°51'07.53732"	21°06'28.74960"
P ₃₉	P ₄₀	202°36'25"	256.269	85°51'09.23184"	21°06'28.45332"
P ₄₀	P ₄₁	140°17'53"	54.428	85°51'17.92476"	21°06'30.16368"
P ₄₁	P ₄₂	128°37'00"	40.36	85°51'19.60380"	21°06'29.35728"
P ₄₂	P ₄₃	128°25'26"	133.755	85°51'19.82664"	21°06'28.06128"
P ₄₃	P ₄₄	174°48'53"	308.496	85°51'16.80120"	21°06'24.76548"
P ₄₄	P ₄₅	270°54'23"	74.862	85°51'09.14148"	21°06'17.76564"
P ₄₅	P ₄₆	211°30'53"	551.225	85°51'10.96776"	21°06'16.03656"
P ₄₆	P ₄₇	28°44'27"	316.065	85°51'29.29824"	21°06'11.95092"
P ₄₇	P ₄₈	175°45'45"	140.583	85°51'18.99252"	21°06'09.26496"
P ₄₈	P ₄₉	272°27'35"	57.365	85°51'14.20596"	21°06'08.41212"
P ₄₉	P ₅₀	180°5'47"	93.858	85°51'14.66316"	21°06'06.59664"
P ₅₀	P ₅₁	272°16'45"	147.797	85°51'15.40332"	21°06'03.62412"
P ₅₁	P ₅₂	269°01'10"	126.346	85°51'20.21040"	21°06'04.90212"
P ₅₂	P ₅₃	90°4'23"	361.460	85°51'19.22220"	21°06'08.66196"
P ₅₃	P ₅₄	151°38'43"	253.512	85°51'31.03128"	21°06'11.50236"
P ₅₄	P ₅₅	112°21'37"	307.776	85°51'39.97296"	21°06'09.50256"

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Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
P ₅₅	P ₅₆	78°31'55"	402.80	85°51'41.59872"	21°05'59.61012"
P ₅₆	P ₅₇	173°0'39"	765.619	85°51'27.65376"	21°06'00.20844"
P ₅₇	P ₅₈	228°1'47"	54.463	85°51'01.49076"	21°06'04.35564"
P ₅₈	P ₅₉	137°5'14"	43.691	85°51'00.00324"	21°06'03.26520"
P ₅₉	P ₆₀	169°20'8"	32.193	85°50'58.49448"	21°06'03.38724"
P ₆₀	P _{59A}	214°32'8"	28.633	85°50'57.41412"	21°06'03.64824"
P _{59A}	P _{60A}	153°47'16"	15.88		
P _{60A}	P _{60B}	214°4'15"	20.726		
P _{60B}	P ₆₁	188°3'13"	54.805	85°50'55.27500"	21°06'03.09420"
P ₆₁	P ₆₂	195°57'33"	29.4	85°50'53.67156"	21°06'02.13876"
P ₆₂	P ₆₃	122°6'20"	30.227	85°50'52.99476"	21°06'01.42416"
P ₆₃	P ₆₄	179°58'19"	19.081	85°50'51.31068"	21°06'01.69632"
P ₆₄	P ₆₅	94°10'46"	60.453	85°50'51.96372"	21°06'01.59912"
P ₆₅	P ₆₆	281°10'39"	59.751	85°50'51.49932"	21°06'03.65436"
P ₆₆	P ₆₇	203°48'42"	64.605	85°50'49.43976"	21°06'03.45384"
P ₆₇	P ₆₈	181°12'32"	265.619	85°50'47.49684"	21°06'02.40984"
P ₆₈	P ₆₉	129°1'27"	20.364	85°50'39.59808"	21°05'57.97320"
P ₆₉	P ₇₀	192°59'3"	79.607	85°50'38.93712"	21°05'58.20504"
P ₇₀	P ₇₁	184°31'43"	72.713	85°50'36.19788"	21°05'58.51464"
P ₇₁	P ₇₂	183°46'48"	130.768	85°50'33.68184"	21°05'58.64604"
P ₇₂	P ₇₃	168°28'2"	58.522	85°50'29.15088"	21°05'58.55568"
P ₇₃	P ₇₄	195°32'19"	72.394	85°50'27.15288"	21°05'58.88184"
P ₇₄	P ₇₅	172°54'18"	61.248	85°50'24.65412"	21°05'58.67196"
P ₇₅	P ₇₆	178°38'31"	34.00	85°50'22.53228"	21°05'58.73244"
P ₇₆	P ₇₇	190°5'20"	54.345	85°50'21.36876"	21°05'58.81416"
P ₇₇	P ₇₈	178°10'9"	110.828	85°50'19.50108"	21°05'58.58808"
P ₇₈	P ₇₉	177°42'15"	75.924	85°50'15.67428"	21°05'58.27704"
P ₇₉	P ₈₀	167°3'21"	70.7	85°50'13.04628"	21°05'58.15500"
P ₈₀	P ₈₁	190°41'52"	64.995	85°50'10.63644"	21°05'58.56972"
P ₈₁	P ₈₂	196°30'42"	45.145	85°50'08.38428"	21°05'58.53012"
P ₈₂	P ₈₃	182°45'24"	59.019	85°50'06.88596"	21°05'58.10748"
P ₈₃	P ₈₄	179°49'32"	134.761	85°50'04.95888"	21°05'57.46452"
P ₈₄	P ₈₅	181°41'27"	90.929	85°50'00.55788"	21°05'55.99788"
P ₈₅	P ₈₆	182°22'39"	51.314	85°49'57.62208"	21°05'54.92328"
P ₈₆	P ₈₇	181°5'48"	72.944	85°49'55.97040"	21°05'54.30480"
P ₈₇	P ₈₈	175°00'1"	57.764	85°49'53.64984"	21°05'53.36376"
P ₈₈	P ₈₉	182°53'29"	71.535	85°49'51.74688"	21°05'52.78092"
P ₈₉	P ₉₀	169°53'36"	146.071	85°49'49.42992"	21°05'51.95364"
P ₉₀	P ₉₁	186°34'38"	94.332	85°49'44.46264"	21°05'51.03744"
P ₉₁	P ₉₂	183°30'30"	64.501	85°49'41.35584"	21°05'50.08272"
P ₉₂	P ₉₃	176°5'35"	87.027	85°49'39.27000"	21°05'49.32888"
P ₉₃	P ₉₄	157°21'17"	30.377	85°49'36.38496"	21°05'48.50376"
P ₉₄	P ₉₅	197°20'48"	126.443	85°49'35.33592"	21°05'48.58440"
P ₉₅	P ₉₆	196°36'50"	38.717	85°49'31.04688"	21°05'47.74200"
P ₉₆	P ₉₇	172°1'5"	49.493	85°49'29.86716"	21°05'47.14152"
P ₉₇	P ₉₈	184°15'34"	52.135	85°49'28.25688"	21°05'46.58748"
P ₉₈	P ₉₉	177°48'35"	61.993	85°49'26.61204"	21°05'45.88584"
P ₉₉	P ₁₀₀	181°33'38"	41.059	85°49'24.64752"	21°05'45.07008"
P ₁₀₀	P ₁₀₁	182°00'00"	10.591	85°49'23.33532"	21°05'44.56212"
P ₁₀₁	P ₁₀₂	139°22'44"	132.00	85°49'23.03112"	21°05'44.39436"

Stations		Interior Angle	Distance in mtr	Co-ordinates	
From	To			Longitude	Latitude
P ₁₀₂	P ₁₀₃	220°37'16"	51.057	85°49'18.60132"	21°05'43.02780"
P ₁₀₃	P ₁₀₄	166°16'54"	137.30	85°49'17.20596"	21°05'42.00684"
P ₁₀₄	P ₁	63°41'00"	42.60	85°49'12.80496"	21°05'40.17408"

D. Length and breadth of the area proposed for linear diversion

I) ROAD

Description of road	Dimension (Length X Breadth)	Area (ha)	Total area (ha)
Ghat Road from Tarini Temple (C28) to Welcome Gate	7029 mtr X 14mtr	9.841	20.0126*
Road from Tarini Temple (C28) to LDBC	1857mtr X 10 mtr	1.857	
Road from LDBC to Baliparbat (Near Pillar No.R20 & R21)	933 mtr X 8.0 mtr	0.746	
Road from ML boundary to Dam site (D6)	2620 mtr X 10 mtr	2.620	
Road from Guest House to ML area and further south near ML boundary	1022 mtr X 12 mtr	1.226	
Road from mining lease boundary line to LDBC	1397 mtr X 10 mtr	1.397	
Road near Pillar No.C18-C20	157 mtr X 14 mtr	0.220	
Road near Pillar No.C36-C37	83 mtr X 6 mtr	0.050	

II) PIPE LINES

Description of road	Dimension (Length X Breadth)	Area (ha)	Total area (ha)
Dam site to Camp	1945 mtr X 2 mtr	0.389	1.186
Guest House to Mining lease boundary	925 mtr X 2 mtr	0.185	
Guest House to LDBC	2495 mtr X 2 mtr	0.499	
Pipe line near Pillar No.C 36-C 37	165 mtr X 2 mtr	0.033	
Pipe line near Pillar No.C 18-C 20	160 mtr X 2 mtr	0.032	
Pipe line near Pillar No.C 9-C 10	240 mtr X 2 mtr	0.048	

III) ELECTRIC POWER LINE

Description of road	Dimension (Length X Breadth)	Area (ha)	Total area (ha)
Dam site to Camp	650 mtr X 7 mtr ROW	0.455	4.780*
Guest House to Sandha Barrak	881 mtr X 7 mtr ROW	0.617	
Sandha Barrak to LDBC	1305 mtr X 7 mtr ROW	0.914	
TS-10 to Baliparbat	1010 mtr X 7 mtr ROW	0.707	
Pillar No.R1 to R12	1066 mtr X 7 mtr ROW	0.746	
Pillar No.R103-R89 & R57-R73	1780 mtr X 7 mtr ROW	1.246	
Pillar No.18 to 20	135 mtr X 7 mtr ROW	0.095	

*Electric line and Road that is coming in the ML area has been excluded.

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Divisional Forest Officer
Keonjhar (W.L.) Division
Anandapur

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SR. SURVEYOR
DAITARI

Dy-Manager (Geo)
80

Sr. Surveyor (Mining)