(As per new guidelines given vide letter No. 7-69/2011-FC(Pt.), dated 1 st August 2017 issued by Ministry of Environment, Forest & Climate Change,GOI,New Delhi)

GHUNGUR-PARAKHANDALE LATERITE (AREA 49.00 HECTARES) MINE RECCOMMENDED TO SHRI BHAIRAVNATH EARTH MOVERS & COMPANY, AT VILLAGE : GHUNGUR, TAL-SHAHUWADI, DISTRICT- KOLHAPUR.

A) Case under which a cost- benefit analysis for forest Diversion are required.

No. 4- applicable 49.00 Ha. Diversion of forest land use for

purpose of Mining activities

B) Total forest Losses to be accrue as per appendix shown in Table B.

Parameter No. 1 : Rs. 3, 06,74, 000/-Parameter No. 2 30,67,400/-: Rs. Parameter No. 3 : NIL Parameter No. 4 : NIL Parameter No. 5 : Rs. 60.26,400/-. Total : Rs. 3.97.67.800/ Total forest area required for the Project : 49.00 Hectares. Loss per Hectare : Rs. 8,11,588/-Total benefits from the Project to accrued in asper appendix shown in C) Table C. Parameter No. 1 : Rs. 16,354.00 Lacks. Parameter No. 2 : Rs. 4,420.00+ 667.24=5,087.24 Lacks. Parameter No. 3 : Rs. 360.00 Lacks. Parameter No. 4 : Rs. 600.00 Lacks Parameter No. 5 : Rs. 60.264 Lacks Total 22,461.504 Lacks. : Rs. Benefited as per Hectares Of the forest land to be acquired : Rs. 458.398 Lacks. **Benefit Cost Ratio** D) 56.48 Thus the project gives positive Benefit Cost Ratio. The monitory return of Project Over the environment losses. For Shri Bairavnath Earthmovers & Co. **Deputy Conservator of Forest** Deputy Conservator of Kolhapur Division, Kelhapur. Authorised Signatory

Table – A : Cases under which a cost – Benefit analysis for forest Diversion

Applicable / No. Nature of Proposal not applicable Remarks All categories of proposals involving 1 forest land upto 20 hectares in Plains Not applicable and upto 5 hectares in hills. Proposal for defense installation 2 purposes ad oil prospecting Not applicable (prospecting only) Habitation, establishment of industrial 3 units, tourist lodges complex and other Not applicable building construction. All other proposals involving forest land Forest land area of more than 20 hectares in plains and 5 4 Applicable 49 hectares hectares in hills including roads, diverting for transmission lines, minor, medium and Laterite mining major irrigation projects, mining activity, activity. railway lines, location specific installations like micro-wave stations, auto repeater centers, TV towers etc.

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APPENDIX-- TABLE- B: ESTIMATION OF COST OF FOREST DIVERSION.

S.N.	Parameters	Remarks
1	Ecosystem services losses due to proposed Forest Diversion.	Rs. 3,06,74,000/-
2	Loss of animal husbandry Productivity, including loss of fodder.	Rs. 30,67,400/-
3	Cost of human resettlement	• Nil
4	Loss of Public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railways etc.) on forest land, if these facilities were diverted due to project.	Nil.
5	Possession value of forest land diverted.	Rs. 60,26,400/- (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ H.)

TABLE- C: ESTIMATION BEBEFITS OF FOREST DIVERSION IN CBA.

S.N	Parameters	Remarks
1	Increase in productively attribute to the specific project.	Laterite Production : 88.4 Lacks Tones. # Value of Laterite Sale @ Rs. 185 / Tones. (185x88.4): Rs.16,354.00 Lacks.
2	Benefits to economy due to the specific project.	Total: Rs. 16,354.00Lack.Revenue accrued to Government (in Lacks)a)Royalty for Laterite @ 50/Tone for 84.4Lacks Tones (50x88.4)= 4,420.00b) C.S.T. for Laterite
0		(29.5x 185x4%)+ 2%=Rs. 667.24 Lacks. Total = Rs. 5,087.24 Lacks .
3	Number of population benefited due to the Specific Project.	No. of population 200x Rs. 500 x12 x 30* = Rs. 360 lacks.
4	Economic benefits due to of direct and indirect employment due to project.	No. of Employees 20 x 100000 x 30* = Rs. 600 lacks .
5	Economic benefits Due to Compensatory afforestation.	Rs. 60,26,400/- i.e.60,26 Lacks. (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ Ha.)

*Mining lease period.

(As per new guidelines given vide letter No. 7-69/2011-FC(Pt.), dated 1 st August 2017 issued by Ministry of Environment, Forest & Climate Change,GOI,New Delhi)

GHUNGUR-PARAKHANDALE LATERITE (AREA 49.00 HECTARES) MINE RECCOMMENDED TO SHRI BHAIRAVNATH EARTH MOVERS & COMPANY, AT VILLAGE : GHUNGUR, TAL-SHAHUWADI, DISTRICT- KOLHAPUR.

A) Case under which a cost- benefit analysis for forest Diversion are required.

No. 4- applicable 49.00 Ha. Diversion of forest land use for

purpose of Mining activities

B) Total forest Losses to be accrue as per appendix shown in Table B.

Parameter No. 1 : Rs. 3, 06,74, 000/-Parameter No. 2 34 14 Rs. 30,67,400/-Parameter No. 3 : NIL Parameter No. 4 : NIL Parameter No. 5 : Rs. 60.26,400/-..... Total : Rs. 3,97,67,800/ Total forest area required for the Project : 49.00 Hectares. Loss per Hectare : Rs. 8,11,588/-C) Total benefits from the Project to accrued in asper appendix shown in Table C. Parameter No. 1 : Rs. 16,354.00 Lacks. Parameter No. 2 : Rs. 4,420.00+ 667.24=5,087.24 Lacks. Parameter No. 3 360.00 Lacks. : Rs. Parameter No. 4 : Rs. 600.00 Lacks Parameter No. 5 : Rs. 60.264 Lacks . Total : Rs. 22,461,504 Lacks. Benefited as per Hectares Of the forest land to be acquired : Rs. 458.398 Lacks. D) **Benefit Cost Ratio** 56.48 Thus the project gives positive Benefit Cost Ratio. The monitory return of Project Over the environment losses. For Shri Bairavnath Earthmovers & Co. Deputy Conservator of Forest **Deputy Conservator of Forests** Authorised Signatory Kolhapur Division, Kolhapur.

Table – A : Cases under which a cost – Benefit analysis for forest Diversion

Applicable / No. Nature of Proposal not applicable Remarks All categories of proposals involving forest land upto 20 hectares in Plains 1 Not applicable and upto 5 hectares in hills. Proposal for defense installation 2 purposes ad oil prospecting Not applicable (prospecting only) Habitation, establishment of industrial units, tourist lodges complex and other 3 Not applicable building construction. All other proposals involving forest land Forest land area of 4 more than20 hectares in plains and 5 Applicable 49 hectares hectares in hills including roads, diverting for transmission lines, minor, medium and Laterite mining major irrigation projects, mining activity, activity. railway lines, location specific installations like micro-wave stations, auto repeater centers, TV towers etc.

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APPENDIX-- TABLE- B: ESTIMATION OF COST OF FOREST DIVERSION.

S.N.	Parameters	Remarks	
1	Ecosystem services losses due to proposed Forest Diversion.	Rs. 3,06,74,000/-	
2	Loss of animal husbandry Productivity, including loss of fodder.	Rs. 30,67,400/-	
3	Cost of human resettlement	Nil	
4	Loss of Public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railways etc.) on forest land, if these facilities were diverted due to project.	Nil.	
5	Possession value of forest land diverted.	Rs. 60,26,400/- (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ H.)	

TABLE- C: ESTIMATION BEBEFITS OF FOREST DIVERSION IN CBA.

S.N.	Parameters	Remarks
1	Increase in productively	Laterite Production : 88.4 Lacks Tones.
	attribute to the specific project.	# Value of Laterite Sale @ Rs. 185 / Tones. (185x88.4): Rs.16,354.00 Lacks.
0		Total : Rs. 16,354.00 Lack.
2	Benefits to economy due to the specific	Revenue accrued to Government (in Lacks)
	project.	a)Royalty for Laterite @ 50/Tone for 84.4 Lacks Tones (50x88.4)= 4,420.00 Lacks.
		 b) C.S.T. for Laterite (29.5x 185x4%)+ 2%=Rs. 667.24 Lacks.
3	ht is a second s	Total = Rs. 5,087.24 Lacks
3	Number of population benefited	No. of population
	due to the Specific Project.	200x Rs. 500 x12 x 30* = Rs. 360 lacks .
4	Economic benefits due to of direct and	No. of Employees
l	indirect employment due to project.	20 x 100000 x 30* = Rs. 600 lacks .
5	Economic benefits Due to	Rs. 60,26,400/- i.e.60,26 Lacks.
	Compensatory	(23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha.
	afforestation.	9.3 Ha.@ Rs. 1,00,000/ Ha.
		7.62 Ha.@ Rs. 1,05,000/ Ha.)

(As per new guidelines given vide letter No. 7-69/2011-FC(Pt.), dated 1 st August 2017 issued by Ministry of Environment, Forest & Climate Change,GOI,New Delhi)

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A) Case under which a cost- benefit analysis for forest Diversion are required.

No. 4- applicable 49.00 Ha. Diversion of forest land use for

purpose of Mining activities

B) Total forest Losses to be accrue as per appendix shown in Table B.

Parameter No. 1 : Rs. 3, 06,74, 000/-Parameter No. 2 30,67,400/-: Rs. Parameter No. 3 : NIL Parameter No. 4 : NIL Parameter No. 5 : Rs. 60.26,400/-...... : Rs. 3,97,67,800/ Total Total forest area required for the Project : 49.00 Hectares. Loss per Hectare : Rs. 8,11,588/-Total benefits from the Project to accrued in asper appendix shown in C)Table C. Parameter No. 1 : Rs. 16,354.00 Lacks. Parameter No. 2 : Rs. 4,420.00+ 667.24=5,087.24 Lacks. Parameter No. 3 : Rs. 360.00 Lacks. Parameter No. 4 : Rs. 600.00 Lacks Parameter No. 5 60.264 Lacks : Rs. Total : Rs. 22,461.504 Lacks. Benefited as per Hectares Of the forest land to be acquired : Rs. 458.398 Lacks. D) **Benefit Cost Ratio** 56.48 Thus the project gives positive Benefit Cost Ratio. The monitory return of Project Over the environment losses. For Shri Bairavnath Earthmovers & Co. Deputy Conservator of Forest Deputy Conservator of Kolhapur Division, Kolhapur, Authorised Signatory

Table – A : Cases under which a cost – Benefit analysis for forest Diversion

No.	Nature of Proposal	Applicable / not applicable	Remarks
1	All categories of proposals involving forest land upto 20 hectares in Plains and upto 5 hectares in hills.	Not applicable	
2	Proposal for defense installation purposes ad oil prospecting (prospecting only)	Not applicable	
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	
4	All other proposals involving forest land more than20 hectares in plains and 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, mining activity, railway lines, location specific	Applicable	Forest land area of 49 hectares diverting for Laterite mining activity.
5	installations like micro-wave stations, auto repeater centers, TV towers etc.		

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APPENDIX-- TABLE- B: ESTIMATION OF COST OF FOREST DIVERSION.

S.N.	Parameters	Remarks
1	Ecosystem services losses due to proposed Forest Diversion.	Rs. 3,06,74,000/-
2	Loss of animal husbandry Productivity, including loss of fodder.	Rs. 30,67,400/-
3	Cost of human resettlement	Nil
4	Loss of Public facilities and administrative infrastructure (Roads, buildings, schools, dispensaries, electric lines, railways etc.) on forest land, if these facilities were diverted due to project.	Nil.
5	Possession value of forest land diverted.	Rs. 60,26,400/- (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ H.)

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TABLE- C : ESTIMATION BEBEFITS OF FOREST DIVERSION IN CBA.

S.N.	Parameters	Remarks	
1	Increase in productively attribute to the specific project.	Laterite Production : 88.4 Lacks Tones. # Value of Laterite Sale @ Rs. 185 / Tones. (185x88.4): Rs.16,354.00 Lacks.	
2	Benefits to economy due to the specific project.	Total: Rs. 16,354.00Lack.Revenue accrued to Government (in Lacks)a)Royalty for Laterite @ 50/Tone for 84.4Lacks Tones (50x88.4)= 4,420.00b) C.S.T. for Laterite(29.5x 185x4%)+ 2%=Rs. 667.24Lacks.	
		Total = Rs. 5,087.24 Lacks	
3	Number of population benefited due to the Specific Project.	No. of population 200x Rs. 500 x12 x 30* = Rs. 360 lacks.	
4	Economic benefits due to of direct and indirect employment due to project.	No. of Employees 20 x 100000 x 30* = Rs. 600 lacks .	
5	Economic benefits Due to Compensatory afforestation.	Rs. 60,26,400/- i.e.60,26 Lacks. (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ Ha.)	

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2	Proposal for defense installation purposes ad oil prospecting (prospecting only)	Not applicable	
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction.	Not applicable	
4	All other proposals involving forest land more than20 hectares in plains and 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, mining activity, railway lines, location specific installations like micro-wave stations, auto repeater centers, TV towers etc.	Applicable	Forest land area of 49 hectares diverting for Laterite mining activity.

APPENDIX-- TABLE- B: ESTIMATION OF COST OF FOREST DIVERSION.

S.N.	Parameters	Remarks
1	Ecosystem services losses due to proposed Forest Diversion.	Rs. 3,06,74,000/-
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3	Number of	(29.5x 185x4%)+ 2%=Rs. 667.24 Lacks. Total = Rs. 5,087.24 Lacks . No. of population
	population benefited due to the Specific Project.	200x Rs. 500 x12 x 30* = Rs. 360 lacks.
4	Economic benefits due to of direct and indirect employment due to project.	No. of Employees 20 x 100000 x 30* = Rs. 600 lacks.
5	Economic benefits Due to Compensatory afforestation. Mining lease period.	Rs. 60,26,400/- i.e.60,26 Lacks. (23 Ha.@ Rs. 1,37,500/ Ha. 9.9 Ha.@ Rs. 1,12,500/ Ha. 9.3 Ha.@ Rs. 1,00,000/ Ha. 7.62 Ha.@ Rs. 1,05,000/ Ha.)

*Mining lease period.

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