

**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS**  
**(HEAD OF FOREST FORCE), MAHARASHTRA STATE, NAGPUR**

ADDITIONAL PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND NODAL OFFICER, MAHARASHTRA STATE, NAGPUR,  
First Floor, 'B' Wing, Van Bhavan, Civil Lines, Nagpur-440001.  
Tel no. (0712) 2556916 E-mail- apccfnodal@mahaforest.gov.in

No. Desk-17/Nodal/Pune/ID-12740 (19)/177 /2022-23  
Nagpur – 440 001, Date : 19/04/2023

To,  
The Principal Secretary (Forests),  
Revenue & Forests Department,  
Mantralaya Mumbai -32,

**Subject:-** Ex-post facto approval for diversion of 0.1305 ha Reserved Forest in favour of Essar Steel India Ltd., Sanaswadi for laying underground water pipeline for industrial use and drinking purpose in Reserved Forest Gut No. 152 to 155 at Village- Koregaon Bhima-Dingrajwadi, Tal-Shirur, Dist-Pune in the State of Maharashtra- regarding.

**Ref:-** 1) The Government of India, MoEF & CC, Regional Office, Nagpur vide letter No. F.No. FC-I/MH-237/2021-NGP/ 8588, dated 03/09/2021.  
2) The Chief Conservator of Forests (T), Pune letter No. A/Desk-4/4(2)/Land/FCA-228/2022-23/418 dtd 28/03/2023

Government of India, Ministry of Environment, Forests and Climate Change, Integrated Regional Office, Nagpur vide letter under reference No. 1 has raised 14 queries in the subject matter. Accordingly, the Chief Conservator of Forests (T), Pune vide letter under reference No.2 has submitted the compliance report in this regard to this office. The same may be submitted as under:-

Sr. No.	Queries	Compliance
1	Proposal has not yet been forwarded to Regional Office through online portal and is still pending at State Government level (online status as revealed on 19.08.2021 at 12.15 hrs).	The proposal has now been forwarded to Regional Office through online portal.
2	Consolidated single KML file of entire alignment under instant proposal, dully highlighting proposed forest area for diversion has not been submitted. The same needs to be submitted.	Revised Consolidated single KML file of entire alignment under instant proposal, dully highlighting proposed forest area for diversion has is enclosed herewith as <b>(Annexure No. I)</b> .
3	Date of submission is not mentioned in Part- I and Part- II submitted along with the proposal. Revised copy of Part- I and Part-II mentioning name of signing authority and date of submission shall be submitted.	Revised copy of Part- I and Part- II mentioning name of signing authority and date of submission is enclosed herewith as <b>(Annexure No.II)</b> .
4	Discrepancy is observed in area of non-forest land involved in the proposal. State Government has mentioned in its covering letter that an area of 0.3015 ha of non-forest land is involved, whereas in online Part- I area of non-forest land is mentioned as 0.00 ha. Clarification in this regard shall be submitted.	There is 0.3015 ha.Non Forest land involved in the project. The necessary correction made in Part-I. The copy of the same is enclosed herewith as <b>(Annexure No.III)</b> .
5	Legal status of Forest land proposed for diversion is mentioned as 'NIL' in online Part- I application. The same shall be	The revised copy of the online Part-II is enclosed herewith as <b>(Annexure No.IV)</b> .



	rectified by concerned DCF and copy of the same shall be submitted	
6	Part- II has been wrongly uploaded in Parivesh portal, instead of hard copy of Part- II, Site Inspection Report has been uploaded. The same shall be rectified by concerned DCF and intimated to this office	Part-II has now been uploaded on Parivesh Portal.
7	Part- V has not been uploaded in Parivesh portal. The same shall be uploaded and intimated to this office.	The State Government has filled Part-V. The rectification will be done by State Government.
8	Physical copies of Part-III, Part- IV and Specific recommendation of PCCF (HoFF), Maharashtra is not submitted along with the proposal. The same shall be submitted	Physical copies of Part-III, Part- IV and Specific recommendation of PCCF (HoFF), Maharashtra is enclosed herewith as <b>(Annexure No. V).</b>
9	Online Part- II is incomplete, information of Compensatory Afforestation and district profile details is left blank in online Part-II, the same shall be filled by concerned DCF and copy of the same shall be submitted.	Online part-II information of compensatory afforestation and district profile details filled in online Part-II. The revised copy of the same is enclosed herewith as <b>(Annexure No.VI)</b>
10	Cross sectional map is not submitted along with the proposal. The same shall be submitted.	The Cross Section map is enclosed herewith as <b>(Annexure No.VII)</b>
11	All the maps submitted along with the proposal is not certified by competent authority in the Forest Department. Maps certified by concerned DCF shall be submitted.	All the maps certified by the Deputy Conservator of Forests, Ghod, Project Division, Junnar is enclosed herewith as <b>(Annexure No.VIII)</b>
12	Compensatory Afforestation scheme is submitted only for 7 years. As per Section 2.8 (ii) (e) of new guidelines, CA scheme should be submitted for 10 years. Therefore, revised CA scheme for 10 years along with provision for chain link fencing of CA area shall be prepared and submitted along with CA suitability certificate, soft copy of KML file and hard copy of Differential GPS map at suitable scale certified by officer not below the rank of DCF.	Revised compensatory afforestation for 10 years is enclosed herewith as <b>(Annexure No.IX)</b>
13	Certificate ensuring importance of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 is not submitted along with the proposal. Original FRA- 2006 certificate along with documentary evidences in the form of copies of the resolutions of the concerned Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) recording their consent for the proposal and bearing signature of the participants shall be submitted. In addition to this, copies of	As per Government G.R. FLD 2015/C.R.192/F10, dated 15/01/2019 the copy of record of proceedings of village level the Forest Rights Committee, Sub-Divisional Level Committee(s) will be submitted along with the compliance report of prior approval condition.



	record of proceedings of the Forest Rights Committee, Sub Divisional Committee(s) may also be submitted.	
14	Details of employment potential in terms of man days of skilled, semiskilled and unskilled persons on permanent (direct and indirect) and temporary (direct and indirect) basis have not been provided. The same needs to be provided by the State Government.	The cost of the work Rs.4,50,000/- including all labour & material charges, assuming labour component at 40% which work out to Rs.1,80,000/- daily wage rate @ 438.42/- per day. However, total labour potential created would be 411 mandays during construction period, Skilled employment 90, Semiskilled 116, unskilled 205.

In view of the above, it is requested the State Government to process to Government of India for formal approval under section-2 (ii) of the Forest (Conservation) Act-1980, at the earliest.

Encl : As above

Yours sincerely,

*15/11/23*

(Naresh Zurmure)

APCCF & Nodal Officer

Copy to the Chief Conservator of Forests (Territorial), Pune for information.

Copy to Dy. Conservator of Forests, Junnar for information.

Copy to the Deputy General Manager, Essar Steel India Ltd., Gut No.740, Pune Nagpur Road at Sanaswadi, Tal-Shirur, Dist-Pune 412208 for information.

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महाराष्ट्र शासन

वन विभाग

मुख्य वनसंरक्षक, (प्रादेशिक) पुणे यांचे कार्यालय,  
वनभवन, भांबुर्डा वनविहार, गोखलेनगर-411016

दुरध्वनी क्रमांक - 020-25664182/83

ई-मेल- ccftpune@gmail.com/ccftpune@mahaforest.gov.in

जा.क्र.कक्ष-4/4(2)/जमीन/FCA-228/418 /2022-23,

पुणे-411 016, दिनांक- 28/03/2023.

प्रति,

अपर प्रधान मुख्य वनसंरक्षक व  
केंद्रस्थ अधिकारी, म. रा. नागपूर.

विषय—Ex-post facto approval for diversion of 0.1305 ha of RF in favour of Essar Steel India, Ltd., Sanaswadi for laying underground water pipeline for industrial use and Drinking purpose in RF G. No.152 to 155 at Vil. Koregaon Bhima- Digrajwadi, Tal.- Shirur, Dist.- Pune in the st. Of Maharashtra.

- संदर्भ-1. केंद्र शासन पत्र क्र.एफसी-1/एमएच-237/2021एनजीपी/8588, दि. 03.09.2021.  
2. आपलेकडील पत्र क्र.कक्ष-17/नोडल/पुणे/आयडी-12740(19)/995/2021-22, दि.17.09.2021.  
3. उपवनसंरक्षक, जुन्नर यांचेकडील पत्र क्र.अ/कक्ष4.2/जमीन/ एफसीए-27/175/2022-23, दि.03.02.2023.

विषयांकित प्रस्तावामध्ये त्रुटी उपस्थित करून संदर्भ क्र.1 चे पत्र या कार्यालयास प्राप्त झाले आहे. प्रकरणी 1 ते 14 मुद्दे उपस्थित करून मुद्देनिहाय पूर्तता अहवाल आंग्ल भाषेत अनुषंगिक दस्तऐवजांसह सादर करणेबाबत संदर्भ क्र.2 च्या पत्रात नमूद केले आहे.

प्रकरणी संदर्भ क्र.1 मध्ये नमूद 1 ते 14 मुद्द्यांची पूर्तता करून उपवनसंरक्षक, जुन्नर यांनी संदर्भ क्र.3 अन्वये उपस्थित केलेल्या मुद्द्यांच्या अनुषंगाने मुद्देनिहाय अहवाल आंग्ल भाषेत अनुषंगिक दस्तऐवजांसह या कार्यालयास सादर केला आहे.

उपवनसंरक्षक, जुन्नर यांनी या कार्यालयास सादर केलेल्या मुद्दे निहाय पूर्तता अहवालाची प्रत अनुषंगिक दस्तऐवजांसह यासोबत जोडून सादर करण्यात येत आहे. तरी विषयांकित प्रस्ताव आपले मार्फत शासनास सादर होणेस विनंती.

सोबत — वरीलप्रमाणे

(एन.आर.प्रवीण)

मुख्य वनसंरक्षक (प्रा.), पुणे.

प्रत- उपवनसंरक्षक, जुन्नर यांना माहिती व आवश्यक कार्यवाहीसाठी.

प्रत- Dy. Director Essar Still India Ltd. (Sanaswadi, Tal.- Shirur, Dist.- Pune यांना माहितीस्तव.





स्वातंत्र्याचा अमृत महोत्सव



Govt. of Maharashtra  
Forest Department

Phone No. 02132 222063

Email ID: [junnarforestdn@gmail.com](mailto:junnarforestdn@gmail.com) / [dycfiunnar@mahaforest.gov.in](mailto:dycfiunnar@mahaforest.gov.in)

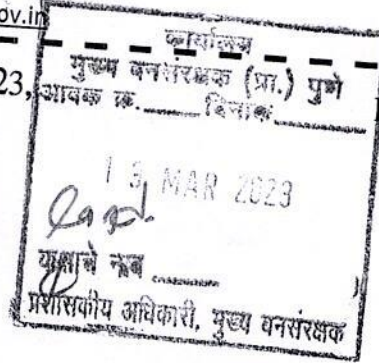
Deputy Conservator of Forests,  
Dadoji Kondadev Wada  
A/P Tahasil-Junnar,  
Dist.-Pune Pin-410502.

No.-A/Desk-4.2/Land/ F.C.A.-27/ 175 /2022-23,

Letter

✓To,

Chief Conservator of Forests (Territorial),  
Pune.-16



Date - 03/02/2023.

**Subject :**

Ex-post facto approval for diversion of 0.1305 ha of Reserved Forest in favour of Essar Steel India Ltd., Sanaswadi for laying underground water pipeline for industrial use and drinking purpose in Reserved Forest Gat No. 152 to 155 at Village - Koregaon Bhima - Dingrajwadi, Tal - Shirur, Dist - Pune in the State of Maharashtra - regarding.

**Reference :**

1. Government of India Ministry of Environment, Forerst & Climate Change Letter No. FC-I/MH- 237/2021-NGP/8588, Dated 03/09/2021.
2. Additional Principle Chief Conservator of Forests and Nodal officer, M.S. Nagpur Letter No Desk-17/Nodal/Pune/ID- 12740(19)/995/2021-22 , Dated 17/09/2022.
3. Gen.Manager Deccan Chamber of Industries for agriculture, (Praj Industries Koregaon Bhima) 305, Gulmohar centre point viman Nagar Pune-14 Letter Dated 1.02.2023

In the reference to the subject cited above, the details information is submitted as given in the table below;

Sr No.	Raised Queries	Compliance of Queries
1	Proposal has not yet been forwarded to Regional Office through online portal and is still pending at State Government level (online status as revealed on 19.08.2021 at 12.15 hrs).	This subject pertains to Nodal Office, Nagpur.
2	Consolidated single KML file of entire alignment under instant proposal, dully highlighting proposed forest area for diversion has not been submitted. The same needs to be submitted.	As per direction the KML file is attached herewith in 3 CD's and Google Map in 6 copies. <b>Page No.18.</b>
3.	Date of submission is not mentioned in Part-I and Part-II submitted along with the proposal. Revised copy of Part- I and Part-II mentioning name of signing authority and date of submission shall be submitted	Date of submission is mentioned in Part- I and Part-II submitted with the name of signing authority in 6 copies here with. <b>Page No.1-13.</b>



4	Discrepancy is observed in area of non-forest land involved in the proposal. State Government has mentioned in its covering letter that an area of 0.3015 ha of non-forest land is involved, whereas in online Part-I area of non-forest land is mentioned as 0.00 ha. Clarification in this regard shall be submitted.	As per direction non forest land 0.3015 ha. State included in online Part-I. The revised copy of part-I attached herewith in 6 copies. <b>Page No.1-7.</b>
5.	Legal status of Forest land proposed for diversion is mentioned as 'NIL' in online Part-II application. The same shall be rectified by concerned DCF and copy of the same shall be submitted.	The land proposed for diversion is Reserved Forest Land. But in online Part-II application mentioned as NIL by mistake unintentionally. Please consider it.
6.	Part II has been wrongly uploaded in parivesh portal, instead of hard copy of part II. Site inspection report has been uploaded. The same shall be rectified by concern DCF and intimated to this office.	Now the Part-II uploaded properly.
7	Part V has not been uploaded in Parivesh portal. The same shall be uploaded and intimated to this office.	This subject pertains to State level authority.
8.	Physical copies of part III, part-IV and specific recommendation of PCCF (HoFF) Maharashtra is not submitted along with the proposal	This subject pertains to Nodal Office, Nagpur.
9	Online part-II is incomplete, information of compensatory afforestation and district profile details is left blank in online part II, the same shall be filled by concern DCF and copy of the same shall be submitted	Online part-II information of compensatory afforestation and district profile details filled in online Part II regarding it, 6 copies attached herewith. <b>Page No.8-13.</b>
10	Cross section Map is not submitted along with the proposal the same shall be submitted.	Cross section Map in 6 copies attached herewith. <b>Page No.19.</b>
11	All the maps submitted along with the proposal is not certified by component authority in the forest department maps certified by concern DCF shall be submitted.	The certified copies of all maps are submitted herewith in 6 copies. <b>Maps No.18-24.</b>
12	Compensatory Afforestation scheme is submitted only for 7 years. As per Section 2.8 (ii) (e) of new guidelines, CA scheme should be submitted for 10 year along with provision for chain link fencing of CA area, shall be prepared and submitted along with CA suitability certificate, soft copy of KML file and hard copy of Differential GPS map at suitable scale certified by officer not below the rank of DCF.	The 10 Years C.A. scheme along with the provision of chainlink fencing of C.A. area is submitted along with C.A. suitability certificate which attached in 6 copies herewith. <b>Page No.14-17.</b>
13	Certificate ensuring importance of Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 is not submitted along with the proposal. Original FRA-2006 certificate along with documentary evidences in the form of copies of the resolutions of the concerned Forest Rights Committee (s), Gram Sabha (s), Sub Division	As per Govt. G.R. FLD-2015/C.R.192/F-10, Dr.15.01.2019 the copy of record of proceedings of village level the Forest Rights Committee, Sub Divisional Level Committee (s) will be submitted along with the compliance report of prior approval condition.

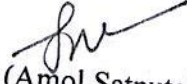


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	Level Committee (s) recording their consent for the proposal and bearing signature of the participants shall be submitted. In addition to this, copies of record of proceedings of the Forest Rights Committee, Sub Divisional Level Committee (s) may also be	
14	Details of employment potential in terms of The man days of skilled, semiskilled and unskilled all persons on permanent (Direct and indirect.) and temporary (direct and indirect) basis have not been provided. The same needs to be provided by the State Government.	The cost of the work Rs.4,50,000/- Including all labour & material charges, assuming labour component at 40% which work out to Rs. 1,80,000/- daily wage rate @ 438.42/- Per day. However, Total labour potential created would be 411 mandays during construction period. Skilled employment-90, semiskilled-116, unskilled 205.

The raised queries have been complied as mentioned in the above table. Therefore it is requested to send the above information for necessary sanction to competent authority.

Encl: - As above.

  
 (Amol Satpute)  
 Deputy Conservator of Forests  
 Junnar Forest Division Junnar

Copy to- Addl. Principal Chief Conservator of Forests & Nodal Officer, M.S. Nagpur for perusal.

Copy to- Gen.Manager Deccan Chamber of Industries for agriculture, (Praj Industries Koregaon Bhima) 305, Gulmohar centre point viman Nagar Pune-14 for information.

**PART-II**

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(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : MH-079/2016

**1. Location of the project/Scheme : Maharashtra**

- (i) State / Union Territory : Maharashtra  
(ii) District : Pune  
(iii) Forest Division : Junnar  
(iv) Area of forest land proposed for diversion (in ha.) : 0.1305  
(v) Category of the Proposal: Industry

**2. Legal status of forest land proposed for diversion**

S. No.	Division	Forest Land(ha.)	Legal Status
1	Junnar	0.1305	Reserved Forest
Total		0.1305	

Division 1. : Junnar

**3. District wise area to be diverted in the division**

S. No.	District	Area(ha.)
1	Pune	0.1305
Total		0.1305

**4. Details of Vegetation available in the forest land proposed for diversion****(i) Density of vegetation**

S. No.	Area(in ha.)	Density	Eco-Class
1	0.1305	0.4	Eco 3
Total.		0.1305	

**(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL**

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Others	No Tree felling	0	0	0	0	0	0
Total			0	0	0	0	0	0
Sub Total (No of Trees.)			0					

**5. Working plan prescription for the forest land proposed for diversion : NIL**



**6. Brief note on vulnerability of the forest area to erosion :**

The land to be diverted is not vulnerable to erosion

7.

**Approximate distance of the proposed site for diversion from boundary of forest(in km.) :**

0

**8. Significance of the forest land proposed for diversion from wildlife point of view**

- (i). Details of wildlife present in and around the forest land proposed for diversion : nil
- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No
- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No
- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : No

9.

**Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any**

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10.

**Comment as to the reasonability of the extent of the forest land proposed for diversion**

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

**11. Details of violation(s), if any ,committed**

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : Yes
  - (a)Details of violation(s): There is violation FCA 1980 hence directions may be
  - (b) Period of Work done(year) : 1992
  - (c) Area of forest land involved in violation (in ha.) : 0.13

S. No.	Name of person responsible for violation	Designation & Address of person responsible for violation	Action taken against the person responsible for violation
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1	Company	ESSAR Steel company koregaonbhima sansawadi tal shirur	Company
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12. Whether work in violation is still in progres(Yes/No) : Yes


13. Details of compensatory afforestation scheme

Patch wise details for Degraded Area (To be earmarked by DFO)

(i). Total Financial Outlay for C.A(lacs): 6.62

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	1	RF	Shirur	303	 View file

(ii). Copy of CA scheme details: 

(iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: 

(iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: 

(V). Copy of NOC from Competent Authority : 

Additional information Details


S. No.	Documents	Remarks
	NIL	

14. District Profile

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Pune	1564200	211180	677	38	12.27	30/09/2016	11.770	166.621

15.

Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land




Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Junnar	Pune	DFO	Yes	One		26/08/2016
		Nodal Officer	No		No Data	

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV)).



16.

Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
Junnar	Pune	DFO	Recommended			
	Pune	CF	Recommended	Recommended.		Yes
		Nodal Officer	Recommended	recommendation		

[Print](#)



**FORM - A**

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Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for  
Diversion of fresh forest area

**PART - I**

(To be filled up by User Agency)

**A. General Details****A-1. Project Details**

(i). Proposal No. : FP/MH/IND/20151/2016

(ii). Name of Project for which Forest Land is required : River Water Pipe Line for Industrial Use

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required :  
Purpose:- Some part of Shirur Taluka falls under draught prone area. The Village Sanaswadi Tal Shirur has no permanent water source available for drinking water as well as industrial use. To supply water for drinking & industrial use need and require for our company workers & plant. We intends to lay

(iv). State : Maharashtra

(v). Category of the Proposal : Industry

(vi). Shape of forest land proposed to be diverted : Non Linear

(vii). Estimated cost of the Project(Rupees in lacs) : 4.5

(viii). Area of forest land proposed for diversion(in ha.): 0.1305

(ix). Non-forest land required for this project(in ha.): 0.3015

(x). Total period for which the forest land is proposed to be diverted(in years): NIL

**A-2. Details of User Agency**

(i). Name : ArcelorMittal Nippon Steel India Limited

(ii). Address1 : Gat No 740, Pune Nagar Road, Sanaswadi, Pune

(iii). Address2 : NIL

(iv). State : Maharashtra



(v). District : Pune

(vi). Pin : 412208

(vii). Landmark : NIL

(viii). Email address : suresh.kadam@essar.com

(ix). Landline Telephone No. : 2137-667878

(x). Fax No. : 2137-

(xi). Mobile No. : 9158895880

(xii). Website (if any) : www.essar.com

(xiii). Legal status of User Agency : Private

A-3. Details of Person Making Application

(i). First Name: Suresh

(ii). Middle Name: Shamrao

(iii). Last Name: Kadam

(iv). Gender: Male

(v). Designation: Dy. General Manager - Administ

(vi). Address 1: Gat No 740, Pune Nagar Road, Sanaswadi PUNE

(vii). Address 2: NIL

(viii). State: Maharashtra

(ix). District: Pune

(x). Tehsil: Shirur

(xi). Pin: 412208

(xii). Landmark: NIL


(xiii). Email Address: suresh.kadam@amns.in



(xiv). Landline Telephone No.: 2137-667859

(xv). Fax No.: NIL

(xvi). Mobile No.: 9158895880

(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: 

## B. Details of land required for the Project

B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

Details of Divisions involved			
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Junnar	0.1305	0.3015
Total		0.1305	0.3015

B-2.2 Details of Districts involved

District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Pune	0.1305	0.3015
Total		0.1305	0.3015

B-2.3 Village wise breakup

Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Koregaonbhima	0.1305	0
Total		0.1305	0




B-2.4




## Component wise breakup

Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Pipeline	0.1305	0
Total		0.1305	0

C. Maps of forest land proposed to be diverted

Division 1. : Junnar		
(i). Area of forest land proposed to be diverted(in ha.) : 0.1305		
(ii). Nature of the Project: Non Linear		
(a). No. of patches : One		
Patch wise details		
Patch No.	Area of Patch(in ha.)	Kml File of PatchesTo view KML file on google the same may be downloaded and then open if in google earth install in your computer.
1.	0.1305	 <a href="#">View File</a>
(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 		
(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 		

D. Justification for locating the Project in forest land and details of alternatives examined:

(i). Copy of note containing justification for locating the Project in forest land: 

E. Employment likely to be generated

- (i). Whether the Project is likely to generate employment?: Yes
- (ii). Permanent/Regular Employment(Number of persons): 250
- (iii). Temporary Employment(Number of person-days): 1150

F. Displacement of People due to the Project, if any.

(i). Whether Project involves displacement?: No



G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: No

H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986 ? : No

I. Status of Wildlife Clearance


(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(i). Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : Yes

(a). Copy of documentry evidence in support of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted: 


L. Details of land identified for Compensatory Afforestation

(i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

(ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable

(iii) . Reason for not providing Non-Forest Land: Not Applicable

Additional information Details

Documents		
S.No	Documents	Remarks
1		



**Ref: Index Sr. No.1****APPENDIX**

(See rule 6)

**FORM – A****FORM FOR THE SEEKING PRIOR APPROVAL UNDER SECTION 2 OF  
PROPOSALS BY THE STATE GOVERNMENT & AUTHORITIES****PART – I****(To be filled up by user agency)****1. Project Details:-**

- I) Short narrative of the proposal and project / scheme for which the forest land is required.
- Purpose:-** Some part of Shirur Taluka falls under draught prone area. The Village Sanaswadi Tal Shirur has no permanent water source available for drinking water as well as industrial use. To supply water for drinking & industrial use need and require for our company workers & plant. We intends to lay out underground water pipeline from the Village Dingrajwadi Tal Shirur Malki Gut No. 350, 267, 239, 197, 154B 156 till our company in Gut No.740 at Sanaswadi Tal Shirur Dist Pune for industrial and drinking purpose. It is observed that the alignment of the proposed water pipeline is to be passing through the Forest Gut No.944, 945, & 946 of Village Koregaon Bhima to our Gut No.740. The total forest land of constructed pipeline is 0.1305 ha. (870mtr x 1.5 mtr = 1305Sq.m.) The demanded forest area is the barest minimum and immediate requirement for the pipeline project and now there is no option to examine alternative non forest land availability for this purpose because construction work is completed before 25 years

ago. When we purchase the Gut No. 740 we did not come to know that the adjoining Gut No 694, 945 & 946 is under controlled or ownership of forest department and forest department was also not aware. We observed no remark on the 7/12 extracts reflecting control of forest department on Gut No. 944, 945 & 946, the 7/12 extracts were shows that the ownership Revenue Forest. Hence we have constructed underground water pipeline. After some year the forest department comes to know that, the Gut No 694, 945 & 946 is forest, and then forest department took possession from Revenue Department in the year 1999. Now the forest department instructs us to remove our water pipeline which we laid down underground for industrial use and drinking purpose. At this stage there is no any option available for this purpose and it is not possible to remove permanent constructed drinking and plant use water pipeline. Project components i.e. water pipeline already completed & utilized by our company, hence it is needed to be regularized. So the project Authority of our company has decided to take necessary permission under the provision of the forest (conservation) Act.1980.

We have examined all other possible alternatives, but it is not possible to avoid the forest land. It is unavoidable. The constructed & required forest area for this water pipeline purpose is only 0.1305 ha. Project components i.e. Water pipeline is completed which is below the ground level. Therefore it is also to state that, all other alternatives for the purpose have been explored.



However, there is no need to suggest other alternative alignment for water pipeline purpose. With the water problem being solved by laying this water pipeline for our company workers & plant use it will be directly helpful to the company production also help increase the level of business of our company which will be supportive to our annual turnover. This required area is declared industrial zone by town planning department. There are many small scale industries/ factories are operational and basic amenities are being developed in this industrial area. There are about 1300 to 1350 employees working per day & their livelihood depends on our industry. The land area forest Gut No. 944, 945 & 946 of Village Koregaon Bhima, Tal-Shirur Dist-Pune was observed to be under industrial zone, more over there were and there are various plant working around the said forest land Gut.

We learn from the forest department that the required land is Reserve Forest land. However, the prior permission of the Government of India, under the provision of the Forest (Conservation) Act 1980, is necessary & essential for carrying any non-forestry work in such forest land. We are aware of the fact, that such forest land have come under purview of the provisions of the Forest (Conservation) Act 1980, making it incumbent on the State Government to obtain prior approval of the central Government under the provision of the said Act. Hence submitted this proposal for approval.

II) Map showing the required Essential map attached on page No. -----  
forest land, boundary of  
adjoining forest on a  
1:50000 scale map.

III) Cost of Project.

Already Existing.

IV) Justification for locating the project in forest area.

The propose water pipeline lies exact in between our constructed company area and forest land Gut No.944, 945 & 946. Before 25 years ago when we purchased the Gut No. 740 we did not came to know that the adjoining Gut No 694, 945 & 946 is under controlled or ownership of forest department and forest department was also not aware. We observed no remark on the 7/12 extracts reflecting control of forest department on Gut No. 944, 945 & 946, the 7/12 extracts were shows the ownership of Revenue Forest. Hence we constructed underground water pipeline. After some year the forest department comes to know that the Gut No 694, 945 & 946 is forest, and then forest department took possession in the year 1999. Now the forest departments instruct us to remove our water pipeline. At this stage there is no any option to remove the permanent structure of constructed laying underground water pipeline because the factory are manufacturing different type products. If, due to problem of water supply our plant may be closed. Moreover employees of our plant whose livelihood depends on it they will face the problem of unemployment & starvation. Hence



remove water pipeline is not feasible; at the same time laying down new pipeline cost is also very high. Project components i.e. water pipeline already completed & utilized by our company, hence it is needed to be regularized. So the project authority has decided to take necessary permission under the provision of the forest (conservation) Act.1980.

We have examined all other possible alternatives, but it is not possible to avoid the forest land. The demanded area is open forest. The constructed & required forest area of this purpose is only 0.1305 ha. The required land is Reserve Forest land. However, the prior permission of the Government of India, under the provision of the Forest (Conservation) Act 1980, is necessary & essential for carrying any non-forestry work in such forest land. The demanded area is barest minimum and no trees are required to be felled.

V) Cost – benefit analysis      Not Applicable

VI) Employment likely to be generated.      The approximately cost of the work is Rs.4.50 lac. Including all labour & material charges, assuming labour component at 40% which work out to Rs.1,80,000/-, daily wage rate @ 296.48/-Per day. However, Total labour potential created would be 607 man days during construction period.

## 2. Purpose-wise break-up of the Forest land required.

Name of Component	Name of Village	Forest Land Required					Legal Status of Land	Non-Forest land Required			Total Area (Ha)
		F.S./ Gut No	Compt t No.	Length x Width (m)	Area			S.N./ Gut No.	Lengt h x Width h (m)	Area (Ha)	
					Sqm	ha					
Construction of water pipeline	Koregaon Bhima, Sanaswadi	944/153, 945/154, 946/156	----	870X 1.5	1305	0.1305	RF	---	---	---	0.1305
	Digrajwadi	---	---	---	---	---	---	350	330 X 1.5	0.0495	0.0495
		---	---	---	---	---	---	267	570 X 1.5	0.0855	0.0855
		---	---	---	---	---	---	239	440 X 1.5	0.066	0.066
		---	---	---	---	---	---	197	670 X 1.5	0.1005	0.1005
Total area to be required for the Project					1305	0.1305	RF	---		0.3015	0.432

## 3. Details of displacement of people due to the project, if any.

- i) Number of families. : Nil
- ii) Number of Scheduled cast / Scheduled Tribe families : Nil
- iii) Rehabilitation plan (to be enclosed) : Not Applicable
- 4 Whether clearance from environment (protection) Act 1986 required? (Yes/No) : No



- 5 Undertaking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and regeneration of Safety zone etc. as per the scheme prepared by the state Government (undertaking to be enclosed) : Undertaking to bear the cost of compensatory afforestation and others is enclosed on page No.-----
- 6 Details of certificates/ documents enclosed as required under the instruction.
1. Index Map
  2. Village Map of Village Koregaon Bhima, Sanaswadi & Dingrajwadi
  3. Location Map
  4. 7/12 extract (Marathi & English)
  5. Brief Note.
  6. Necessary Certificates & Undertaking

Certified that all other alternatives for the purpose have been explored. We have examined all other possible alternatives, but there is no alternatives available for propose water pipeline. It is not possible to avoid the forest land. The constructed & required forest area of propose pipeline is only 0.1305 ha. The required area of forest land is minimum demand made for this project. Therefore proposal is submitted for approval.

(S S Kadam)

Deputy General Manager  
Essar Steel India Ltd. Sanaswadi  
Tal-Shirur Dist-Pune-412 209

**Place:-** Sanaswadi  
**Date:-** 14 /07 / 2016

**Ref: Index Sr. No.1**

**FORM- A**

**PART - II**

**(TO BE FILLED BY THE CONCERNED DEPUTY CONSERVATOR OF FORESTS)**

7. Location of the Project / Scheme

I. State / Union territory

Maharashtra State

II. Distric

Pune

III. Forest Division

Junnar Forest Division Dist-Pune

IV. Area of the forest land proposed for diversion in ha.0.1305

Sr. No	Village	F.S/ Gut No.	Area ( ha )
1	Koregaon bhima/ Dingrajwadi	256, 247, 248, 255/ 152, 153, 154, 155	0.1305

V. Legal status of the Forest.

:Reserved Forest

VI. Density of the vegetation

:Below 0.4

VII Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed in case of irrigation / hydel projects enumeration at FLR,FRL-2,meter & FRL-4 meter also to be enclosed)

:No trees are required to be felled

VIII Brief note on vulnerability of the forest area to erosion : The land to be diverted is not vulnerable to erosion.



- IX Approximate distance of proposed site : Proposed area is belonging to the  
for diversion from boundary of forest. Forest Survey No. 256, 247, 248,  
255 Gut No. 152, 153, 154, 155 of  
Village Koregaon Bhima/  
Dingrajwadi Tal. Shirur Dist Pune.
- X Whether forms part of National Park, : It does not form the part of  
Wildlife Sanctuary, Biosphere Reserve, National Park, Wildlife  
Tiger Reserve, Elephant Corridor Sanctuary, Biosphere Reserve,  
etc. (If so the details of the area & Tiger Reserve, Elephant Corridor  
comments of the Chief Wildlife etc.  
Warden to be annexed).
- XI Whether any rare / endangered / unique : No any rare / endangered /  
species of flora & fauna found in the unique species of flora & fauna  
area. If so the details thereof. found in the area.
- XII Whether any protected archeological / : There is no protected  
heritage site / defence establishment archeological / heritage site /  
or any other important monument is defence establishment or any other  
located in the area. If so the details important monument is located in  
thereof with NOC from competent the area, which is to be diverted.  
authority, if required.

8. Whether the requirement of forest land as proposed by the user agency in col. 2 of part-I is unavoidable & barest minimum for the project. If no, recommended area item wise with details of alternatives.----  
Yes, required land is unavoidable & barest minimum.
9. Whether any work in violation of the Act has been carried out (Yes/No). If yes, details of same including period of work have done, action taken on erring officials. Whether work in violation is still in progress. :No.
10. Details of compensatory afforestation scheme -----
  - I. Details of non-forest area/ degraded area identified for compensatory afforestation. Its distance from the proposed Construction Laying adjoining forests, number of patches, underground water pipeline for drinking & Company plant, project requires only 0.13 ha. forest land to be use for Non-Forest purpose. :Not Applicable due to required area identified for compensatory forest land is less than 1 ha. The
  - II. Map showing non-forest area, degraded area identified for compensatory afforestation & adjoining forest boundaries. Not Applicable due to required forest land is less than 1 ha. i.e.0.13ha.



III. Details of the compensatory Scheme attached on Page No. afforestation scheme including species to be planted, implementing agency, time schedule etc.

IV. Total financial outlay for As detailed on Page No. compensatory afforestation scheme.

V Certificates from the competent Not Applicable due to required authority regarding suitability of the forest land is less than 1 ha. area identified for compensatory afforestation and for management point of view (To be signed by the concerned Deputy Conservator of Forests.)

11. Site inspection report of the DCF (to Attached on page No. ----- be enclosed) especially highlighting facts asked in col.7 (XI,XII, 8 & 9 above)

12. Division /District Profile

i) Geographical area of the District / Forest Division.

Geographical area of the Pune District is 15642 Sq.Kms.

Geographical area of the Junnar Forest Division is 5826 Sq.Kms.

ii) Forest area of the District. /

Forest area of the Pune District is 13.5 % i.e. 2111.80 Sq.Kms.

Forest Division.

Forest area of the Junnar Forest Division is 11.14% i.e. 649.12 Sq.Kms.

iii) Total forest area diverted since 1980 with number of cases

Area 677.00ha. in 38 Cases

iv) Total Compensatory afforestation stipulated in the district / division since 1980 on –

(a) Forest land including penal

12.27 Ha.

Compensatory afforestation-

(b) Non-forest land.

187.401 Ha.

(v) Progress of compensatory afforestation as on-

(a) Forest Land.

11.770 Ha.

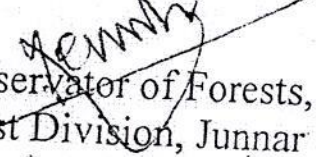
(b) Non Forest Land.

166.621 Ha.



- 13 Specific Recommendation of the DCF The Proposal for Construction of for acceptance or otherwise the laying underground water pipeline proposal with reasons. for industrial use & drinking purpose which passes through forest area that is unavoidable. The pipeline construction work is completed before 25 years ago when the Forest Survey No. 256, 247, 248, 255 Gut No.152, 153, 154, and 155 of Village Koregaon Bhima / Dingrajwadi Tal.Shirur Dist Pune was under controlled revenue department. Forest department took possession of this land in the year 1999. Hence project Agency submitted proposal for regularized. The forest area is to be diverted is not sensitive for any flora or fauna. The construction of water pipeline line will not have adverse effect on the ecology of the area. Hence proposal is recommended for sanction.

Place:-Junnar  
Dtd. ~~10/7/2016~~  
30/09/2016

(Y. P. Mohite)   
Deputy Conservator of Forests,  
Junnar Forest Division, Junnar



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## Model Rate Structure for Compensatory Afforestation

## Model No.5.

## Fencing and Irrigated Plantations

Model rate structure for plantation of mixed tree species having rainfall less than 800 mm and medium quality, medium drained soil.

Spacing - 3m x 3m

Size of Pits - 0.45 x 0.45 x 0.45m

-1111per

No. of Seedlings ha Wage rate Rs 438.42 per day

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Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. per Ha.)	Sanction Letter Dt. / Model No. / Item No.	For	1.00	Hactors	
<b>A. Pre Monsoon Works PPO/PYO</b>							Man days	Wages	Material supply	Total (Rs. Per Ha.)
1	(a) Survey and demarcation	1	438.42	91	529.42	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1a	1.00	438.42	91.00	529.42
	(b) Preparation of treatment map (100 m x 50 m grid)	1	438.42	91	529.42	Item No. 1b	1.00	438.42	91.00	529.42
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.4	175.368	0	175.368	Item No. 1c	0.40	175.37	0.00	175.37
	(d) Fixing 60cm x 0.05cm x 12cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No. etc complete (3 pillars, Rs.75/- for each pillars)	0	0	225	225	Item No. 1d	0.00	0.00	225.00	225.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10	4384.2	91	4475.2	Item No. 1e	10.00	4384.20	91.00	4475.20
2	and moisture conservation works including collection of rubbles from areas upto 30 m etc	31	13591.02	0	13591.02	Item No. 2	31.00	13591.02	0.00	13591.02
3	Providing and fixing chain link fencing, 102 Rmt per ha (With one gate + two wickets gates for one site) (Rs.1494/- per Rmt of basic rate + 20% for transportation of ave. leadplus 20% for tribal/remote area (by tender process.) (Rs.1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50m, 8 gauge thick and fixed 75mm above ground level complete as per SSR item No.1744 for 2017-18)	0	0	182865.6	182865.6	As per SSR rates 201718 Item No. 1744	0.00	0.00	182865.60	182865.60
4	Alignment of pits at 3m x 3m spacemnt.	2.78	1218.8076	49.77	1268.5776	Item No. 4	2.78	1218.81	49.77	1268.58
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (1111 pits per ha) 6.60 M.D per 100 pits.Note :- As per local conditions provision for mechanized digging can be made.	73.33	32149.339	0	32149.3386	Item No. 5	73.33	32149.34	0.00	32149.34
6	Construction of 5.00 Rmt wide Inspection	1	438.42	0	438.42	Item No. 6	1.00	438.42	0.00	438.42
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	328.815	25	353.815	Item No. 7	0.75	328.82	25.00	353.82
8	Providing and fixing (4 feet x 3 feet) information board each per site	0	0	5000	5000	Item No. 8	0.00	0.00	5000.00	5000.00
9	Part Nursery cost of raising 1333 seedlings per ha (including 20% casualty replacement) in polygons of size 12.50 x 25.00 cm (Wages Rs.11.90 and M & S Rs.3.62 per plant)	46.71	20478.598	4825.46	25304.0582	Item No. 9 20% Casualty replacement in place of 10%	46.71	20478.60	4825.46	25304.06
Total		167.97	73641.407	193263.83	266905.237		167.97	73641.41	193263.83	266905.24
Contingency 3%			0	8007.1571	8007.15712			0.00	8007.16	8007.16
Labour Welfare 4%			0	10676.209	10676.2095			0.00	10676.21	10676.21
Total		167.97	73641.407	18683.367	285588.604		167.97	73641.41	18683.37	285588.60
<b>B. First Year Operations</b>										
1	Part Nursery cost for maintenance of 1333 seedling per ha Rs. 3.77 per seedling (Wages Rs.2.69, M & S Rs. 0.81)	14.8	6488.616	1079.73	7568.346	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1 casualty replacement 20%	14.80	6488.62	1079.73	7568.35
	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	8084.4648	1944.25	10028.7148	Item No. 2	18.44	8084.46	1944.25	10028.71
	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 M.D. per 100 seedlings & M.S. Rs.1.82 Per seedlings)	1.87	819.8454	2426	3245.8454	Item No. 3 10% Extra Plants to be transported	1.87	819.85	2426.00	3245.85
	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	4870.8462	0	4870.8462	Item No. 4	11.11	4870.85	0.00	4870.85
	3 seedlings (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	19483.385	911.02	20394.4048	Item No. 5	44.44	19483.38	911.02	20394.40



6	Watering 1111 seedlings November and December 1 time each, January to March 2 times each per seedlings 5 litre water, purchase of 1111 plastic can of 5 litre / matka @Rs.25/- each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for watering 1 M.D. for 150 seedlings.	59.25	25976.385	54395	80371.385
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1946.5848	0	1946.5848
8	Part Nursery cost for causality replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.62 total Rs.12.55 per seedling.)	7.77	3406.5234	803.64	4210.1634
9	Watch and ward (10 months - 1 watcher per 10 ha)	27.38	12003.94	0	12003.9396
10	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	504.183	10	514.183
11	Fire tracing	2	876.84	0	876.84
<b>Total</b>		<b>192.65</b>	<b>84461.613</b>	<b>61569.64</b>	<b>146031.253</b>
Contingency 3%			0	4380.9376	4380.93759
Labour Welfare 4%			0	5841.2501	5841.25012
<b>Grand Total</b>		<b>192.65</b>	<b>84461.613</b>	<b>10222.188</b>	<b>156253.441</b>

### C. Second Year Operations

1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.3.77 and M.S. Rs.1.82 per seedlings.	2.46	1078.5132	404	1482.5132	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1 casualty replacement 20%	2.46	1078.51	404.00	1482.51
2	Transportation of 222 seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D Per 100 Seedling & M.S. Rs.1.82 per seedlings	0.31	135.9102	404.04	539.9502	Item No. 2, 20% instead of 10%	0.31	135.91	404.04	539.95
3	Planting for causality replacement 222 seedlings (2.00 M.D. per 100 seedlings)	4.44	1946.5848	0	1946.5848	Item No. 3, 20% instade of 10%	4.44	1946.58	0.00	1946.58
4	2 weedings and 1 soil working, with fertilizer application 2.5 M.D. per 100 seedlings at M.S. Rs. 0.82 per seedling	27.77	12174.923	911.02	13085.9434	Item No. 4	27.77	12174.92	911.02	13085.94
5	Watering 1111 seedlings in November, December, January and June 1 time each and in February to May 2 times each total 12 times 5 litre per seedlings, replacing 10% plastic can / matka @Rs.25/- each replacing 111 cans / matka, supplying water @Rs.0.50/- per litre and watering 150 seedlings per M.D.	88.88	38966.77	36105	75071.7696	Item No. 5	88.88	38966.77	36105.00	75071.77
6	Watch and ward 12 months -1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Item No. 6	36.50	16002.33	0.00	16002.33
7	Fire tracing	2	876.84	0	876.84	Item No. 8	2.00	876.84	0.00	876.84
<b>Total</b>		<b>162.36</b>	<b>71181.871</b>	<b>37824.06</b>	<b>109005.931</b>		<b>162.36</b>	<b>71181.87</b>	<b>37824.06</b>	<b>109005.93</b>
Contingency 3%			0	3270.18	3270.18			0.00	3270.18	3270.18
Labour Welfare 4%			0	4360.24	4360.24			0.00	4360.24	4360.24
<b>Grand Total</b>		<b>162.36</b>	<b>71181.871</b>	<b>7630.42</b>	<b>116636.346</b>		<b>162.36</b>	<b>71181.87</b>	<b>7630.42</b>	<b>116636.35</b>

### D. Third Year Operations

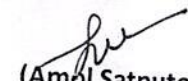
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs.0.82 per plant.	16.67	7308.4614	911.02	8219.4814	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	16.67	7308.46	911.02	8219.48
2	Watering 556 seedlings in November, December, January and June 1 time each and February to May 2 times each total 12 times per seedlings 5 litre, water supply @Rs.0.50/- litre and watering 150 seedlings per M.D.	44.48	19500.922	16680	36180.9216	Item No. 2	44.48	19500.92	16680.00	36180.92
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Item No. 3	36.50	16002.33	0.00	16002.33
4	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 5	2.00	876.84	25.00	901.84
5	Fire tracing	2	876.84	0	876.84	Item No. 6	2.00	876.84	0.00	876.84
<b>Total</b>		<b>101.65</b>	<b>44565.39</b>	<b>17616.02</b>	<b>62181.41</b>		<b>101.65</b>	<b>44565.39</b>	<b>17616.02</b>	<b>62181.41</b>
Contingency 3%			0	1865.4424	1865.44			0	1865.44	1865.44
Labour Welfare 4%			0	2487.2565	2487.26			0	2487.26	2487.26
<b>Grand Total</b>		<b>101.65</b>	<b>44565.39</b>	<b>4352.70</b>	<b>66534.11</b>		<b>101.65</b>	<b>44565.39</b>	<b>4352.70</b>	<b>66534.11</b>

### E. Fourth Year Operations

1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00	16002.33
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00	901.84
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00	876.84
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>



Contingency 3%			0	533.43	533.43		0	533.43	533.43
Labour Welfare 4%			0	711.24	711.24		0	711.24	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>F. Fifth Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>G. Sixth Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>H. Seventh Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>I. Eighth Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>J. Ninth Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>
<b>K. Tenth Year Operations</b>									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	16002.33	0	16002.33	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	16002.33	0.00
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	876.84	25	901.84	Item No. 2	2.00	876.84	25.00
3	Fire tracing	2	876.84	0	876.84	Item No. 3	2.00	876.84	0.00
<b>Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>	<b>17781.01</b>		<b>40.5</b>	<b>17756.01</b>	<b>25.00</b>
Contingency 3%			0	533.43	533.43			0	533.43
Labour Welfare 4%			0	711.24	711.24			0	711.24
<b>Grand Total</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>	<b>19025.68</b>		<b>40.5</b>	<b>17756.01</b>	<b>1244.67</b>

  
 (Amol Satpute I.F.S.)  
 Deputy Conservator of Forests  
 Junnar Forest Division, Junnar



## Abstract for Model No.5

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S. No.	Year of operation	Man days	Wages	Material supply	Total	Other expenses	Total amount
1	Pre Monsoon works	167.97	73641.41	193263.83	266905.24	18683.37	285588.60
2	First Year Operations	192.65	84461.61	61569.64	146031.25	10222.19	156253.44
3	Second Year Operations	162.36	71181.8712	37824.06	109005.931	7630.42	116636.35
4	Third Year Operations	101.65	44565.393	17616.02	62181.413	4352.70	66534.11
5	Fourth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
6	Fifth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
7	Sixth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
8	Seventh Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
9	Eighth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
10	Ninth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
11	Tenth Year Operations	40.5	17756.01	25	17781.01	1244.67	19025.68
<b>Total</b>		<b>908.13</b>	<b>398142.35</b>	<b>310448.55</b>	<b>708590.90</b>	<b>49601.36</b>	<b>758192.27</b>

Cost per plant Rs.

682.44

Note:-

1. Rates of chain linked fencing derived from SSR-2017-18 with addition for area difference and transportation lead.
2. Plantation M.D. and M.S. component derived from rate structure as approved by PCCF (HoFF) M.S. vide letter No.Desk-1/EGS/CR-10/2282/2017-18/ Nagpur, Dated 07/03/2018.

  
 (Amol Satpute I.F.S.)

 Deputy Conservator of Forests  
 Junnar Forest Division, Junnar