

About absences of alternative about the project.

CERTIFICATE NO. 05

(By Chief Conservator of Forests & Director SGNP Borivali)\

Certificate that no suitable alternate non-forest land is available other than forest & non forest area of following Villages

Sr No	Village	Taluka	District	Survey No/ Gut no	Area in ha	Legal status
1	Rajawali	Vasai	Palghar	347	0.042	RF
2	Kolhi	Vasai	Palghar	48/A	0.622	RF
3	Chandrapada	Vasai	Palghar	205/1	0.117	RF
4	Varsava	Thane	Thane	34/3	0.432	RF
5	Varsava	Thane	Thane	34 /1	0.119	RF
6	Varsava	Thane	Thane	32 /3	0.048	RF
8	Chena	Thane	Thane	101	1.800	RF
			Total		3.180	

for the purpose of 403 MLD Surya Regional Water Supply Scheme is planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages at Villages Rajawali(Tivri),Kolhi, Chandrapada ,Taluka-Vasai, District-Palghar and Villages- Varsava & Chena, Taluka- Thane, District- Thane & demand for the forest land is minimum

Place: Borivali

Date: /02 / 2018



(**Amwar Ahmed**)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park, Borivali
Borivali.

Certified of Forest Department about Violation / No Violation
of Forest (Conservation) Act, 1980/Guidelines under it.

CERTIFICATE NO. 8

(By Chief Conservator of Forests & Director SGNP Borivali)

Certified that the work of proposed part 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages. Part of project activities are proposed on forest & non forest land at Villages- Rajawali(Tivri),Kolhi, Chandrapada ,Taluka-Vasai ,District-Palghar and Villages- Varsava, Chena, Taluka- Thane, District- Thane. has not been started in forest land, as well as in non forest land, and no Violation of Forest (Conservation) Act, 1980 and or its guidelines have been committed. The work will be started only after Ministry of Environment , Forests and Climate Change Government of India accords permission.

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park, Borivali

Compensatory Afforestation Area Suitability Certificate

CERTIFICATE NO. 9

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that non forest area to be transferred to the forest department as alternate land for compensatory afforestation in lieu of forest land of 3.180 ha required for the part construction of 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages outside VVCMC area project at Villages- Rajawali(Tivri),Kolhi, Chandrapada, Taluka-Vasai ,District-Palghar and Villages- Varsava, Chena, Taluka-Thane, District- Thane. is not identified by this division.

Identification of compensatory afforestation (Revenue land) at Survey No. 23/2 , area 34.00 ha of Village- Aghai, Taluka- Pen, District- Raigad & issuing of suitability certificate from Deputy Conservator of Forests Alibag is in process as per his letter No-B/ 20/land/3444/2017-18 dated 20-11-2017, for consolidated proposal of (Dahanu, Thane & Sanjay Gandhi National Park forest divisions) in lieu of forest land proposed to be diverted for consolidated forest proposal.

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park,
Borivali.

Certificate of Identified Forest and Acquired
Forest for Compensatory Afforestation Area

CERTIFICATE NO. 10

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that non forest area 3.180 ha to be transferred to the forest department as alternate land for compensatory afforestation in lieu of forest land of 3.180 ha required at Villages- Rajawali(Tivri) ,Kolhi, Chandrapada Taluka-Vasai ,District-Palghar and Villages- Varsava, Chena, Taluka-Thane, District- Thane .for the part construction of 403 MLD Surya Regional Water Supply Scheme of Western Region is not identified by this division.

Identification of compensatory afforestation (Revenue land) at Survey No. 23/2 area 34.00 ha of Village- Aghai, Taluka- Pen, District- Raigad in lieu of forest land required for consolidated proposal of (Dahanu, Thane & Sanjay Gandhi National Park forest divisions) is not yet finalized by Deputy Conservator of Forests Alibag .

Place: Borivali

Date: /02 / 2018



(**Amir Ahmed**)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park,
Borivali.

Identified Forest and Acquired Forest Certificate
for non forest area under the project

CERTIFICATE NO. 12

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that the following Survey Nos/ Gut Nos

Sr No.	Village	Survey No/Gut No
1	Varsava	20,26,28,21,34/2 p

of non forest land covered under the project of construction of part 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages outside VVCMC area project are not under the provision of Section 35 of Indian Forest Act, 1927 and are not recognized as deemed Reserved Forest as well as not included in the area identified as "Forest" as per the dictionary meaning of Forests as intimated to the expert committee appointed under interim judgement of the Hon'ble Supreme Court dated 12-1-1996.

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park, Borivali.

Archeological Importance

CERTIFICATE NO.13

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that proposed 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages outside VVCMC area project. Proposed forest & non forest area of project is as below.

Village	Taluka	District	Survey No	Compart. No	Forest Area in ha	Non Forest Area in ha.	Legal status
Rajawali(Tivri)	Vasai	Palghar	347	1094p	0.042	0.000	RF
Kolhi	Vasai	Palghar	48/A	1095 p	0.622	0.000	RF
Chandrapada	Vasai	Palghar	205/1	1094 p	0.117	0.000	RF
Varsava	Thane	Thane	34 /3	112	0.432	0.000	RF
Varsava	Thane	Thane	34 /1	112	0.119	0.000	RF
Varsava	Thane	Thane	32 / 3	112	0.048	0.736	RF
Chena	Thane	Thane	101	110	1.800	0.000	RF
Total					3.180	0.736	

At Villages- Rajawali ,Kolhi, Chandrapada, Taluka-Vasai, District-Palghar & Villages-Varsava Chena, Taluka- Thane, District-Thane is not likely to affect any monument site of cultural, historical, religious, archeological or recreational importance.

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park, Borivali

Wildlife Certificate

CERTIFICATE NO.14

(By Chief Conservator of Forests & Director SGNP Borivali)
(Project area is not included in National park/ Wild Life Sanctuary)

This is to certify that, area proposed for part 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages project at following Villages- Rajawali ,Kolhi, Chandrapada, Taluka-Vasai, District-Palghar & Villages-Varsava Chena, Taluka- Thane, District-Thane

Village	Survey No	Compart. No	Forest Area in ha	Non Forest Area in ha.	Legal status
Rajawali(Tivri)	347	1094p	0.042	0.000	Inside Tungareshwa WLS
Kolhi	48/A	1095 p	0.622	0.000	do
Chandrapada	205/1	1094 p	0.117	0.000	do
Varsava	34 /3	112	0.432	0.000	inside Eco- Sensitive Zone of SGNP Borivali
Varsava	34 /1	112	0.119	0.000	do
Varsava	32 / 3	112	0.048	0.736	do
Chena	101 p	110	1.800	0.000	do
Total			3.180	0.736	

Note-Private Survey No. 28,21, 34/2 are located within ESZ of SGNP Borivali & private Survey No 20,26 are located within 10 km distance from the boundary of Tungareshwar wildlife sanctuary (deemed Eco Sensitive Zone).

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park Borivali

(Wildlife Certificate if proposed area is within 5 km.

from National Park/ Wildlife Sanctuary.)

Certificate No.15

(Chief Conservator of Forests & Director)

This is to certify that, area proposed for part 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages project at following Villages- Rajawali ,Kolhi, Chandrapada, Taluka-Vasai, District-Palghar & Villages-Varsava Chena, Taluka- Thane, District-Thane .

Village	Survey No	Compart. No	Forest Area in ha	Non Forest Area in ha.	Legal status
Rajawali(Tivri)	347	1094p	0.042	0.000	Inside Tungareshwar WLS
Kolhi	48/A	1095 p	0.622	0.000	do
Chandrapada	205/1	1094 p	0.117	0.000	do
Varsava	34 /3	112	0.432	0.000	within Eco- Sensitive area of SGNP Borivali
Varsava	34 /1	112	0.119	0.000	do
Varsava	32 / 3	112	0.048	0.736	do
Chena	101 p	110	1.800	0.000	d0
Total			3.180	0.736	

Note-Private Survey No. 28,21, 34/2are located within ESZ of SGNP Borivali & private Survey No 20,26 are located within 10 km distance from the boundary of Tungareshwar wildlife sanctuary (deemed Eco Sensitive Zone).But the project will not have not have any adverse effect on the wildlife within, Tungareshewar Wildlife Sanctuary & Sanjay Gandhi National Park Borivali.

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park Borivali
Borivali.

No Cutting and felling of trees

CERTIFICATE NO. 20

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that there is no cutting and felling of trees in the area 3.180 ha Reserved forest land proposed for 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to western sub-region of MMR project is located at Villages- Rajivali (Tivri), Kolhi, Chandrapada, Taluka-Vasai, District-Palghar & Villages-Varsava, Chena, Taluka- Thane, District- Thane

Project Authority has been will be allowed to fell required number of trees after approval of proposal & after getting tree cutting permission from Competent Authority as per the List & Estimate enclosed with the proposal..

Place: Borivali

Date - /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park,
Borivali.

Certificate about distance of project from Protected Area

CERTIFICATE NO. 21

(By Chief Conservator of Forests & Director SGNP Borivali)

This is to certify that, area proposed for part 403 MLD Surya Regional Water Supply Scheme planned to provide bulk water supply to Mira- Bhayander & Vasai-Virar Municipal corporations & 27 Villages project at following Villages- Rajivali (Tivri), Kolhi, Chandrapada, Taluka-Vasai, District-Paiganiar & Villages-Varsava, Chena ,Taluka- Thane, District-Thane is located at a distance of 0.00 meter 300 meter from the boundary of Sanjay Gandhi National Park Borivali. & Tungareshwar Wildlife Sanctuary.

Village	Survey No	Compart. No	Forest Area in ha	Non Forest Area in ha.	Legal status
Rajawali(Tivri)	347	1094p	0.042	0.000	Inside Tungareshwar WLS
Kolhi	48/A	1095 p	0.622	0.000	do
Chandrapada	205/1	1094 p	0.117	0.000	do
Varsava	34 /3	112	0.432	0.000	Notified Eco- Sensitive area of SGNP Borivali
Varsava	34 /1	112	0.119	0.000	do
Varsova	32 / 3	112	0.048	0.736	do
Chena	101 p	110	1.800	0.000	do
Total			3.180	0.736	

Note-Private Survey No. 28,21, 34/2are located within ESZ of SGNP Borivali & private Survey No 20,26 are located within 10 km distance from the boundary of Tungareshwar wildlife sanctuary (deemed Eco Sensitive Zone)

Place: Borivali

Date: /02 / 2018



(Anwar Ahmed)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park, Borivali

Regarding alternatives examined for linear project.
CERTIFICATE NO. 27

(By Chef Conservator of Forests & Director SGNP Borivali)

Certified that following alternatives alignments for laying of steel underground pipeline, Tunnel to supply of bulk drinking water to western sub-region of Mumbai Metropolitan Region. on forest & non forest land at Villages -Rajawali (Tivri), Kolhi, Chandrapada ,Taluka-Vasai ,District- Palghar & Villages- Varsava, Taluka- Thane of SGNP division & at Villages- ,Bapane, Juichandra, Maljipada, Sasunvagher over lapping area of Thane forest division ,have been examined in detail and have come to conclusion that the Main Alignment is the most suitable alignment from forestry point of view. & other alternatives alignments are being rejected on following grounds.

Alignment	Length x Width in km	Area in ha	Description
Main Alignment Rajivali to Chena Master Balancing Reservoir	A) Forest area Tunnel-2233 x 3.50 Road,pipe 689 x 8 Pipeline -80 x6 Total = 3.002 km B) Private area Tunnel 30 x 2 Pipeline 800x 6 Total = 0.830 km	0.781 0.551 0,048 1,380 0.006 0.480 0.486	Main Alignment of proposed project through Tunnel & underground pipeline is selected, because it requires less forest area & involves less no of trees cutting. The alignment is technically and economically suitable from forestry point of view. In addition to this it also covers following areas. Forest area from Village-Sativali to Vasai creek Tunnel 2 270 x 3.50 = 0.795 ha. over lapping Thane Tunnel 215 x 2.00 = 0.043 ha. do Pipeline 1950 x 6 =1.170 ha Bapane, Maljipada Sasunvagher private area Tunnel 955 x 2 = 0.191 ha do pipeline 6170 x 6 = 3.702 ha do (within row of NH -8 area of Thane forest division.)
Grand Total A+B	= 3.832 km	1.866	
Alignment No.1 Rajivali to Chena Master Balancing Reservoir	12750 x 6	7.6500	Alignment is rejected because more tree felling is required & it requires more forest area & it passes through difficult terrain.. The alignment is technically and economically not suitable.
Alignment No.2 Rajivali to Chena Master Balancing Reservoir			Alignment is rejected because it requires more forest area & it passes through difficult terrain The alignment is technically and economically suitable for the project 12055x6=7.2330

All other alternatives for the project proposal have been explored and & the forest area is barest minimum demand

Place: Borivali

Date: /02 / 2018

(Anwar Ahmed.)
Chief Conservator of Forests & Director
Sanjay Gandhi National Park Borivali