



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHAI/11011/5/FOREST/2020/PIU/BLS/802

30 Sept 2020

To

The Field Director,  
Similipal Tiger Reserve-cum-Regional CCF,  
Baripada

Sub.: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singhara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Supply of booklets containing tree enumeration list in non-forest land - reg.

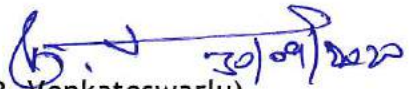
Ref.: 1. This Office Letter No. 685 dated 28-08-2020  
2. DFO Karanjia Letter No. 8426 dated 29-09-2020

Sir,

With reference to subject cited above, it is to inform that 4 sets of tree enumeration list has been submitted to your good office vide this office letter under reference 1 above.

Further, the same has been also been submitted at office of the Principal Chief Conservator of Forest (WL), Bhubaneswar. The acknowledge receipt is enclosed herewith for your reference.

Yours sincerely,

  
(R. Venkateswarlu)

GM (Tech.) & Project Director

Copy to:

Divisional Forest Officer, Karanjia Division, for information and necessary action.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

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nhaibalasore@gmail.com



NHA/11011/5/Forest/2020/PIU/BLS/719

11.09.2020

To,

The Divisional Forest Officer,  
Forest Division,  
Rairangpur, Odisha

**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singhara Section (199.200 km. to 310.806 km.) (within total stretch of 111,606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode- Submission of compliance report on Stage-I approval accorded by ERO, MoEF, Bhubaneswar -Reg.

Ref.: (1) This Office Letter No. 700 dated 09.09.2020  
(2) This Office Letter No. 685 dated 28-08-2020

Sir,

In inviting reference to the subject cited above, it is to inform you that the above work for Rehabilitation and Up-gradation of Baharagora -Singhara section of NH-6 from km 199.200 to km 310.806 has been commenced w.e.f. 21-Oct-2017.

Referring to the subject matter and further to the undertaking submitted by this office regarding submission of revised map in line with the report submitted by RCCF, Baripada vide letter dated 16.02.2019, it is to inform you that the same has been updated accordingly as per original schedule of Stage-I approval and enclosed herewith.

This is for your review and further approval.

Yours faithfully,

Encl.: As above (revised map)

  
(R. Venkateswarlu)

Copy to:

GM (Tech.) & Project Director

Divisional Forest Officer, Karanjia for information and necessary action.



# **LAND REQUIRED FOR FOREST DIVERSION AT GHAT SECTION**

**Km 229.000 to Km 236.600**

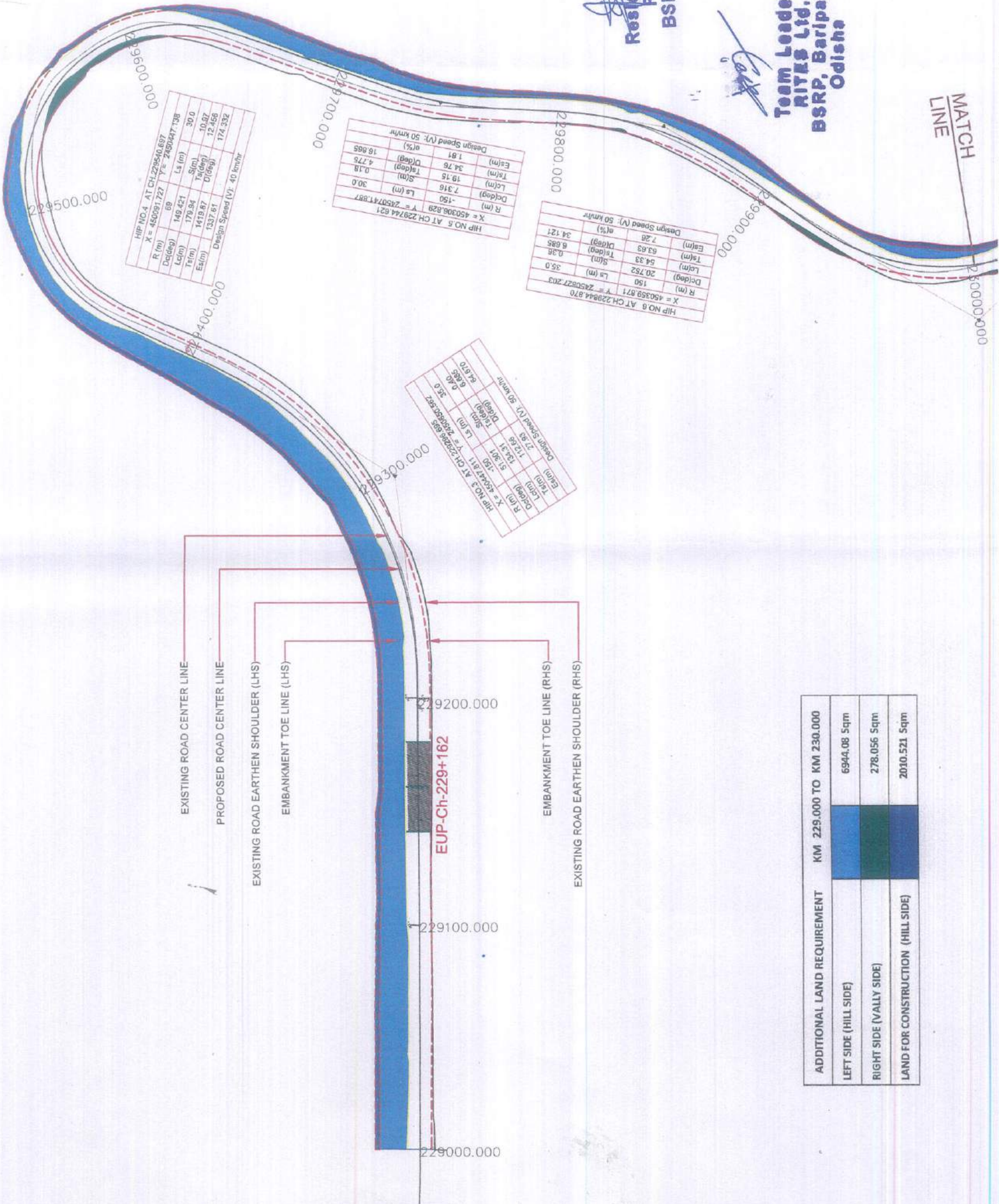
SL NO	CH FROM	CH TO	LEFT SIDE (HILL SIDE)	RIGHT SIDE (VALLY SIDE)	LAND FOR CONSTRUCTION (HILL SIDE)
Unit	Km	Km	Sqm	Sqm	Sqm
1	229.000	230.000	6944.080	278.056	2010.521
2	230.000	231.000	2339.672	697.872	1873.710
3	231.000	232.000	4326.323	956.612	1923.913
4	232.000	233.000	9318.864	642.731	2085.849
5	233.000	234.000	10391.021	385.417	2009.445
6	234.000	235.000	9448.637	344.075	1936.248
7	235.000	236.000	4088.754	819.305	2007.063
8	236.000	236.600	1069.249	0.000	1192.611
Total Sqm ==>>			47926.600	4124.068	15039.360
Area In Ha==>>			47.927	4.124	15.039

  
**Resident Engineer**  
**MITES Ltd.**  
**BSRP, Baripada**  
**Odisha**

  
**Team Leader**  
**MITES Ltd.**  
**BSRP, Baripada**  
**Odisha**

  
**GM (Tech.) & Project Director**  
**National Highways Authority of India**  
**PIU-BALASORE**





00

HIP NO.4 AT CH 22950.000

X = 450091.727 Y = 2490417.138

R (m)	450.091.727	Y = 2490417.138
Ds(deg)	69	Ls (m)
Ld(m)	149.421	Ss(m)
Ts(m)	178.94	Ds(deg)
Es(m)	1419.67	Ds(deg)
Design Speed (V):	40 km/hr	

HIP NO.5 AT CH 22974.621	
X = 450.091.727	Y = 2490417.138
R (m)	-150
Ds(deg)	7.316
Ld(m)	19.15
Es(m)	34.76
Design Speed (V):	50 km/hr
9(w%)	16.855
C(deg)	4.775
S(m)	0.18
Ls (m)	30.0

HIP NO.3 AT CH 22928.829	Y = 2490417.138	Ls (m)	30.0
R (m)	450.091.727	Ss(m)	10.97
Ds(deg)	69	Ds(deg)	12.456
Ld(m)	149.421	Ds(deg)	174.332
Ts(m)	178.94	Design Speed (V):	50 km/hr
Es(m)	1419.67		

HIP NO.6 AT CH 22984.870

$X = 450.091.727$   $Y = 2490417.138$

R (m)	150	Ls (m)	35.0
Ds(deg)	20.752	Ss(m)	0.38
Ld(m)	54.33	Ts(deg)	6.685
Ts(m)	63.63	Ds(deg)	34.121
Es(m)	7.26	Design Speed (V):	50 km/hr

ADDITIONAL LAND REQUIREMENT	KM 229.000 TO KM 230.000
LEFT SIDE (HILL SIDE)	6944.08 Sqm
RIGHT SIDE (VALLEY SIDE)	278.056 Sqm
LAND FOR CONSTRUCTION (HILL SIDE)	2010.521 Sqm

Resident Engineer  
RITES Ltd.  
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Odisha

Team Leader  
RITES Ltd.  
BSRP, Baripada  
Odisha

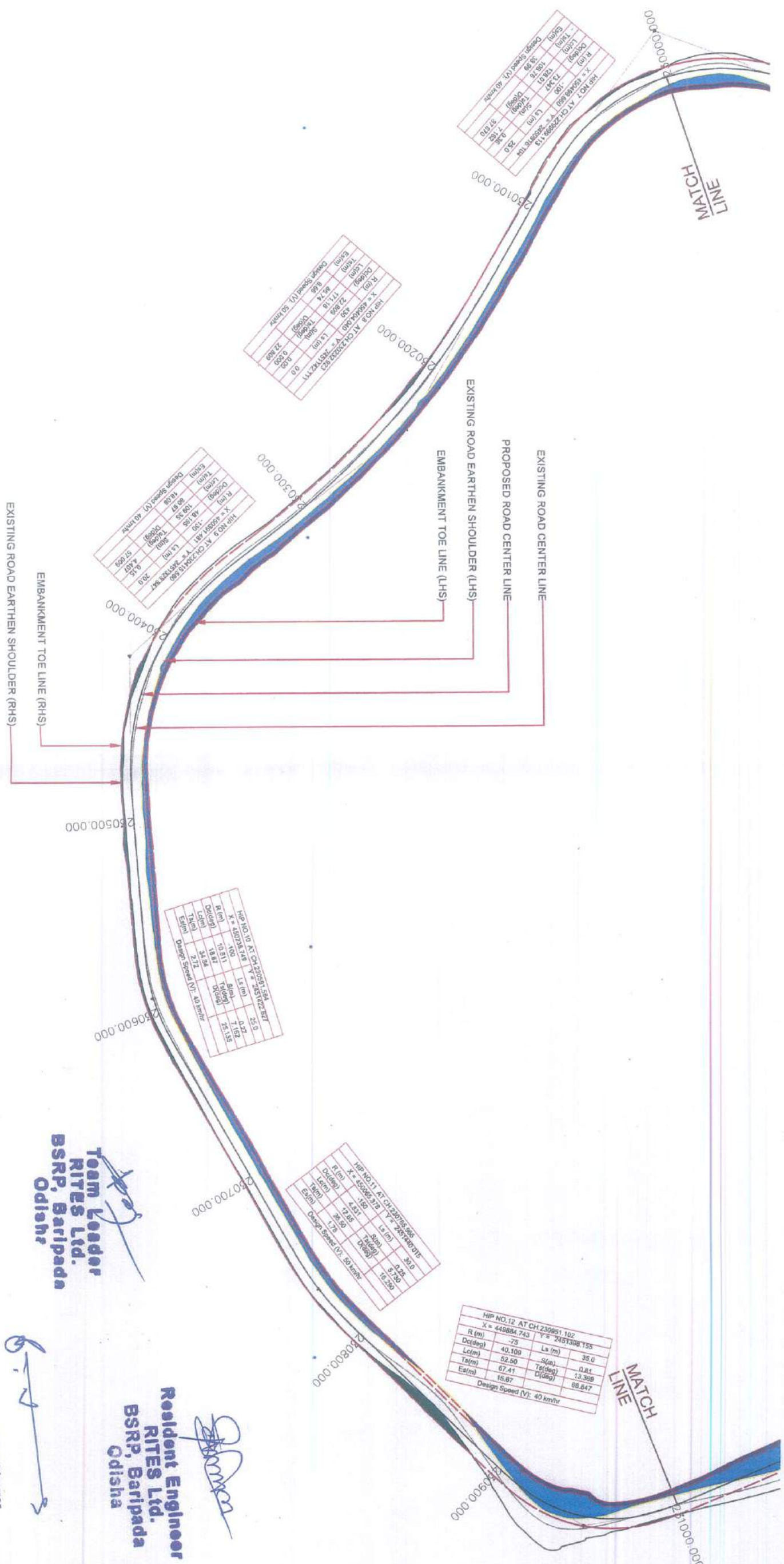
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE

MATCH  
LINE

JOB No. : O15126-C-RP		TITLE : LAND ACQUISITION PLAN Km 229.000 TO Km 230.000		REV. PA
DESIGNED	MAK	SR	SR	SIZE A2
CHECKED	SR	SR	SR	
APPROVED	SR	SR	SR	
DATE	JAN 2015	SCALE	0 15 1 2 6 - C - R P - R D - L A - 1 0 0 1	SHEET 1 OF 1

EPC CONTRACTOR : L&T CONSTRUCTION TRANSPORTATION INFRASTRUCTURE IC		AUTHORITY'S ENGINEER :		CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA	
PROJECT : REHABILITATION AND UP GRADATION TO FOUR LANE OF BAHARAGURA TO DINGHARA SECTION (KM 199.200 TO KM 310.000) OF NH-6 IN THE STATE OF ODISHA.		PROJECT :		PROJECT :	



[illegible]

AT 04-000232-220	0.00
Y = -0.01712177	0.00
X = 46.040400	0.00
22.889	0.00
17.118	0.00
8.60	0.00
Design Speed (V) 50 mph	0.00

Material	Aluminum
Length (mm)	400
Width (mm)	100
Weight (kg)	0.5
Drainage Grate (mm)	40 x 100

WIP NO. 10 AT CH 2005.534			
X = 450738.148	Y = 1251022.671		
R (m)	10.811	Stn (m)	25.9
Dt (deg)	18.87	Td (deg)	0.37
Dt (m)	34.94	Dt (m)	25.135
Td (m)	2.72		
Expn			
Deep. Speed (V)	40 m/hr		

HP 10.11 At CH2015.965	Y = 253 MONTHS
X = 55000.512	
R (m)	1500
Q (cm)	4.85
L (m)	12.85
Ex (m)	35.72
Design Speed (V, 50 km/h)	
Is (m)	30.0
Da (m)	0.45
D (cm)	5.10
D (cm)	16.100

HIP NO.12 AT CH.230551.102  
 $\gamma = 449.884.743$   $\gamma = 2451398.155$

R (m)	-75	La (m)	35.0
Dc(deg)	40.108	S(m)	0.81
Lc(m)	52.50	Tc(deg)	13.309
Ta(m)	67.41	D(deg)	98.647
Es(m)	15.67		

Design Speed (V): 40 km/hr

ADDITIONAL LAND REQUIREMENT	KM 230,000 TO KM 231,000
LEFT SIDE (HILL SIDE)	2339.672 Sqm
RIGHT SIDE (VALLEY SIDE)	667.872 Sqm
LAND FOR CONSTRUCTION (HILL SIDE)	1873.71 Sqm

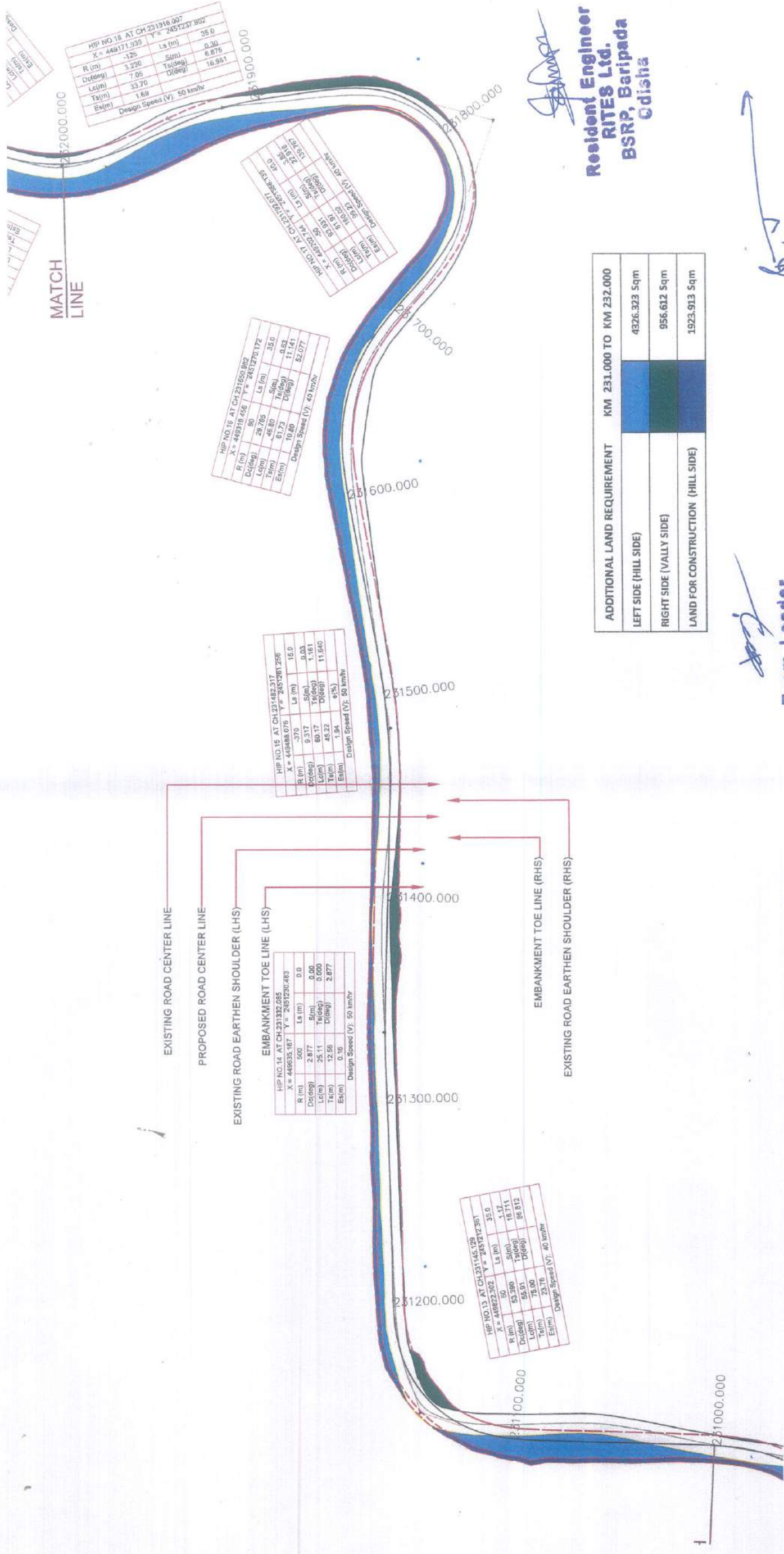
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**Team Leader**  
**RITES Ltd.**  
**BSRP, Baripada**  
**Odisha**

  
Resident Engineer  
RITES Ltd.  
BSRP, Baripada  
Odisha

GM (Tech.) & Project Director  
National Highways Authority of India  
PIL-BALASORE





**Resident Engineer**  
**BITES Ltd.**  
**BSRP, Baripada**  
**Odisha**

**Team Leader**  
**BITES Ltd.**  
**BSRP, Baripada**  
**Odisha**

**GM (Tech.) & Project Director**  
**National Highways Authority of India**  
**PIU-BALASORE**

ADDITIONAL LAND REQUIREMENT	KM 231.000 TO KM 232.000
LEFT SIDE (HILL SIDE)	4326.323 Sqm
RIGHT SIDE (VALLEY SIDE)	956.612 Sqm
LAND FOR CONSTRUCTION (HILL SIDE)	1923.913 Sqm

HIP NO.14 AT CH 231392.688 X = 449535.167 Y = 2451220.483					
R (m)	500	Ls (m)	0.0	S (m)	0.0
Ds(deg)	2.877	Ts(deg)	0.0	Td(deg)	0.0
Lc(m)	25.11	Tl(deg)	0.000	Tl(deg)	0.000
Ts(m)	12.56	Ds(deg)	2.877	Td(deg)	2.877
Es(m)	0.16	Design Speed (V): 50 km/hr			

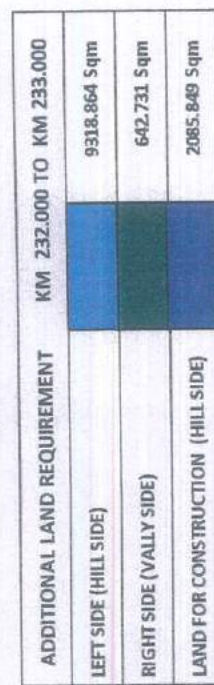
HIP NO.15 AT CH 231482.317 X = 449588.076 Y = 2451261.256					
R (m)	370	Ls (m)	15.0	S (m)	0.03
Ds(deg)	9.317	Ts(deg)	1.161	Td(deg)	1.161
Lc(m)	60.17	Tl(deg)	11.640	Tl(deg)	11.640
Ts(m)	45.22	Ds(deg)	4.1%	Td(deg)	4.1%
Es(m)	1.94	Design Speed (V): 50 km/hr			

HIP NO.16 AT CH 231550.902 X = 449118.456 Y = 2451270.172					
R (m)	90	Ls (m)	35.0	S (m)	0.63
Ds(deg)	29.765	Ts(deg)	11.141	Td(deg)	11.141
Lc(m)	45.80	Tl(deg)	82.077	Tl(deg)	82.077
Ts(m)	61.73	Ds(deg)	11.141	Td(deg)	11.141
Es(m)	10.80	Design Speed (V): 40 km/hr			

HIP NO.18 AT CH 231916.907 X = 448171.339 Y = 2451237.302					
R (m)	-125	Ls (m)	35.0	S (m)	0.30
Ds(deg)	3.230	Ts(deg)	6.875	Td(deg)	6.875
Lc(m)	7.05	Tl(deg)	16.981	Tl(deg)	16.981
Ts(m)	33.70	Ds(deg)	16.981	Td(deg)	16.981
Es(m)	1.69	Design Speed (V): 50 km/hr			

CLIENT:		NATIONAL HIGHWAYS AUTHORITY OF INDIA		AUTHORITY'S ENGINEER:		EPC CONTRACTOR:		TITLE:		LAND ACQUISITION PLAN Km 231.000 TO Km 232.000		REV. PA	
PROJECT:		REHABILITATION AND LIP GRADUATION TO FOUR LANE OF BAHARAGODA TO ZINGHARA SECTION (KM 199.200 TO KM 310.800) OF NH-6 IN THE STATE OF ODISHA.		PROJECT:		PROJECT:		JOB No.: O15126-C-RP		DRAWING NO:		SIZE: A2	
REV. DATE		DESCRIPTION		MAK		DATE		CHECKED		APPROVED		SHEET 1 OF 1	
REV. DATE		DESCRIPTION		MAK		DATE		CHECKED		APPROVED		SHEET 1 OF 1	





  
Resident Engineer  
RITES Ltd.  
BSR, Baripada  
Odisha

**GM (Tech.) & Project Director**  
**National Highways Authority of India**  
**PILSALASORE**







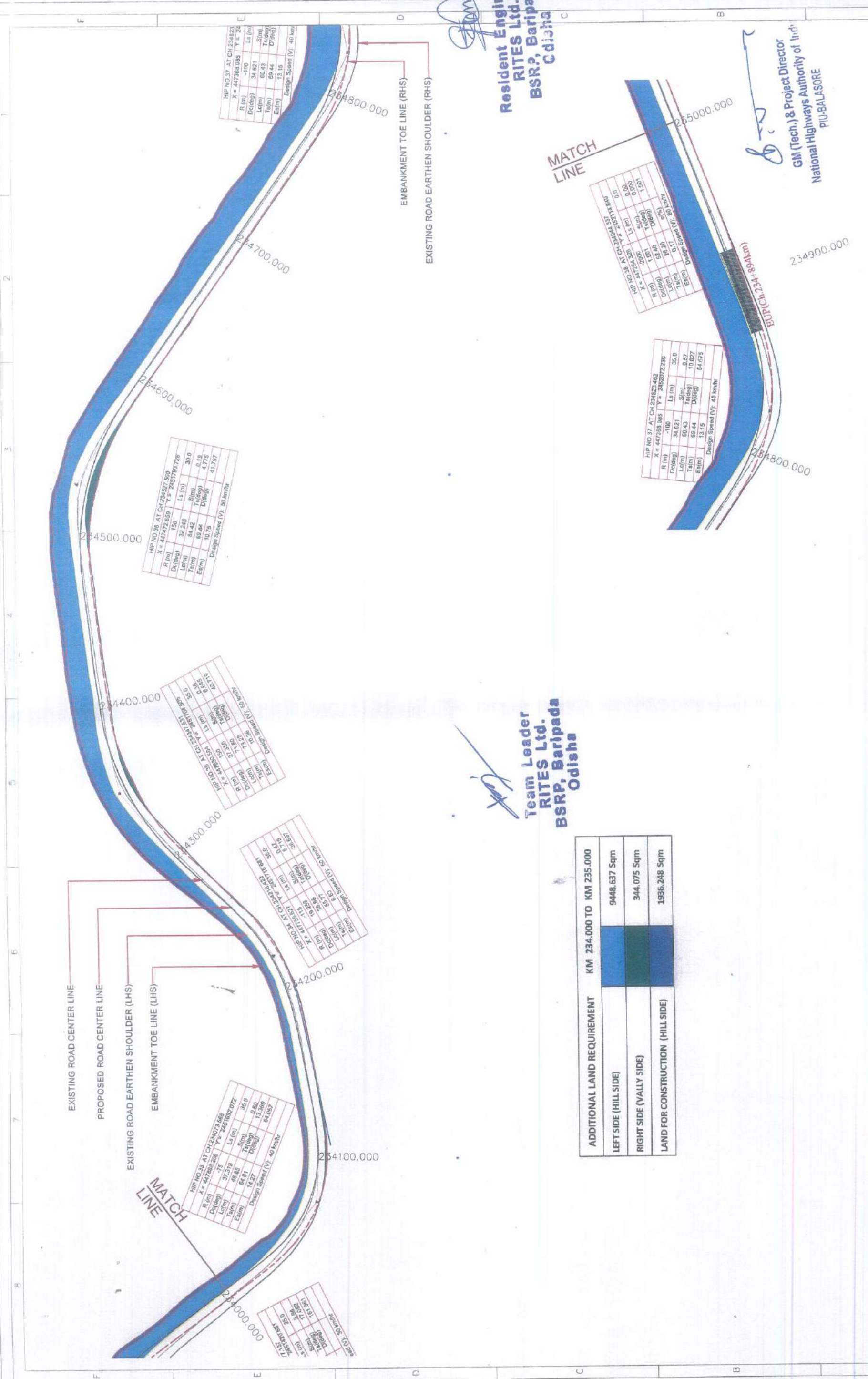


Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 50 km/hr.

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 50 km/hr.

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 50 km/hr.

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 40 km/hr.

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 40 km/hr.

ADDITIONAL LAND REQUIREMENT	KM 234.000 TO KM 235.000
LEFT SIDE (HILL SIDE)	9448.637 Sqm
RIGHT SIDE (VALLEY SIDE)	344.075 Sqm
LAND FOR CONSTRUCTION (HILL SIDE)	1936.248 Sqm

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 60 km/hr.

Table with 10 columns: R (m), Ls (m), S (m), T (m), D (deg), E (m), Design Speed (V), 40 km/hr.

Team Leader  
RITES Ltd.  
BSRP, Baripada  
Odisha

Resident Engineer  
RITES Ltd.  
BSRP, Baripada  
Odisha

GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE

CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA		EPC CONTRACTOR: L&T CONSTRUCTION TRANSPORTATION INFRASTRUCTURE IC		AUTHORITY ENGINEER:		JOB No.: O15126-C-RP		TITLE: LAND ACQUISITION PLAN Km 234.000 TO Km 235.000		REV. PA	
PROJECT: REHABILITATION AND UP GRADATION TO FOUR LANE OF BARHAGODA TO JIJHARA SECTION (KM 199.200 TO KM 310.800) OF NH-6 IN THE STATE OF ODISHA.		DRAWING NO.: O 151 2 6 - C - R P - R D - L A - 1 0 0 6		DATE: 01/05/2020		SCALE: 1 OF 1		SHEET 1 OF 1		REV. PA	
PA: 01/05/2020		REV. PA: 01/05/2020		REV. PA: 01/05/2020		REV. PA: 01/05/2020		REV. PA: 01/05/2020		REV. PA: 01/05/2020	



EXISTING ROAD CENTER LINE

PROPOSED ROAD CENTER LINE

EXISTING ROAD EARTHEN SHOULDER (LHS)

EMBANKMENT TOE LINE (LHS)

MATCH LINE

MATCH LINE

EMBANKMENT-TOE LINE (RHS)  
EXISTING ROAD EARTHEN SHOULDER (RHS)

ADDITIONAL LAND REQUIREMENT		KM 235.000 TO KM 236.000	
LEFT SIDE (HILL SIDE)		4088.754 Sqm	
RIGHT SIDE (VALLEY SIDE)		819.305 Sqm	
LAND FOR CONSTRUCTION (HILL SIDE)		2007.063 Sqm	

ADDITIONAL LAND REQUIREMENT		KM 236.000 TO KM 236.600	
LEFT SIDE (HILL SIDE)		1069.249 Sqm	
RIGHT SIDE (VALLEY SIDE)		0 Sqm	
LAND FOR CONSTRUCTION (HILL SIDE)		1192.611 Sqm	

Resident Engineer  
RITES Ltd.  
BSRP, Baripada  
Odisha

Team Leader  
RITES Ltd.  
BSRP, Baripada  
Odisha

GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE

CLIENT:		NATIONAL HIGHWAYS AUTHORITY OF INDIA		AUTHORITY'S ENGINEER:		EPC CONTRACTOR:		JOB No.: O15126-C-RP		TITLE:		LAND ACQUISITION PLAN Km 235.000 TO Km 236.600		REV. PA	
PROJECT:		REHABILITATION AND UP GRADATION TO FOUR LANE OF BHARAGUPTA TO SHIGARA SECTION (KM 199.200 TO KM 310.806) OF NH-5 IN THE STATE OF ODISHA.				L&T CONSTRUCTION TRANSPORTATION INFRASTRUCTURE IC		RESIGNED DRAWN CHECKED APPROVED DATE		MK SR QRI VES SCALE		DRAWING NO:		O 15 1 2 6 - C - R P - R D - L A - 1 0 0 7	
REV. DATE		30.05.17 FOR DISCUSSION						JAN 2018				SCALE:		SHEET 1 OF 1	





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

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nhaibalasore@gmail.com

NHAI/11011/5/Forest/2020/PIU/BLS/700

9<sup>th</sup> Sept 2020

To

The Field Director,  
Similipal Tiger Reserve-cum-Regional CCF,  
Baripada.

Sub.: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singhara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Submission of compliance report on Stage-I approval accorded by ERO, MoEF, Bhubaneswar- reg.

Ref.: 1. This Office Letter No. 685 dated 28-08-2020  
2. PCCF (WL) Letter No. 11973 dated 22-06-2020  
3. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada letter No. 2015 dated 07-07-2020

Sir,

With reference to the subject cited above, it is to inform that, this office has submitted the compliance report vide letter No. 685 dated 28 August 2020. Further, in compliance to condition No. XVIII, the following is submitted.

Condition No.	Condition	Observation	Compliance
xviii	The State Forest Department/UA shall submit the surveyed sketch of 178.238 ha of degraded forest land identified in four patches i.e. Karada DPF (44.843 ha), Dalimbadihi Revenue Forest (54.407 ha), Barpani (55.126 ha) and Jatia RF (23.952 ha) in Rourkela Forest Division as proposed of CA, giving the forward and backward bearing of each demarcation pillar and distance	DFO Rourkela should comply the condition in full. He should furnish the forward/backward bearing of each demarcation pillar of surveyed CA land, distance between pillars & DGPS reading, GPS co-ordinate of each demarcated pillar,	Details are enclosed as Annexure-I



	between them. The State Forest Department/User Agency shall submit the DGPS reading of each demarcated pillar giving the latitude and the longitude.	enclosing adequate numbers of authenticated map there-of.	
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This is for your information and further necessary action.

Yours faithfully,

Encl.: As above

  
 (R. Venkateswarlu)  
 GM (Tech.) & Project Director

Copy to:

1. Divisional Forest Officer, Rourkela for information and necessary action.
2. The Principal Chief Conservator of Forests, Aranya Bhawan, Chandrasekharpur, Bhubaneswar - 23 for kind information.





SCALE:- 1:3,060



### LEGEND

- C.A.LAND PILLARS
- C.A.LAND BOUNDARY

### AREA STATISTICS OF C.A. LAND

SL NO.	FOREST NAME	AREA IN Ac.	AREA IN Ha.
1	JATIA R.F.	59.186	23.952
TOTAL AREA		59.186	23.952

### DGPS CO-ORDINATES OF C.A.LAND PILLARS

PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
P-1	282283.342	2474324.465	84°53'08.57976"	22°21'39.93408"
P-2	282568.892	2474208.590	84°53'18.61404"	22°21'36.29808"
P-3	282535.379	2474023.734	84°53'17.53368"	22°21'30.27492"
P-4	282493.523	2473780.299	84°53'16.19052"	22°21'22.34412"
P-5	282206.067	2473661.894	84°53'06.20484"	22°21'18.36468"
P-6	282065.236	2473527.630	84°53'01.34988"	22°21'13.93668"
P-7	281827.195	2473536.016	84°52'53.02884"	22°21'14.10048"
P-8	282107.499	2473890.867	84°53'02.64840"	22°21'25.76160"
P-9	282241.756	2473902.202	84°53'07.33380"	22°21'26.19108"
P-10	282361.034	2473869.295	84°53'11.51772"	22°21'25.17624"
P-11	282463.565	2473849.289	84°53'15.11016"	22°21'24.57252"
P-12	282457.814	2473929.176	84°53'14.87004"	22°21'27.16632"
P-13	282300.457	2474030.139	84°53'09.32208"	22°21'30.37608"
P-14	282167.863	2474058.745	84°53'04.67520"	22°21'31.24512"
P-15	282050.106	2474077.205	84°53'00.55140"	22°21'31.79124"

DGPS Survey Conducted by

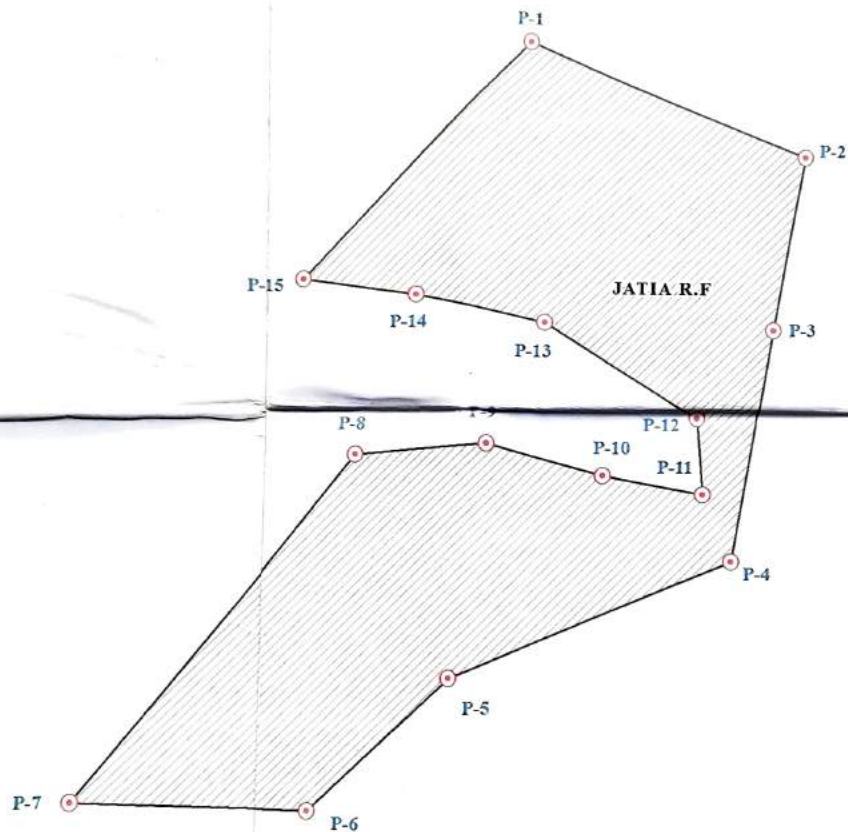


**DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD.**

1015, Bhagabat Sandhan,  
GGP Canal Road, Rasulgarh, Bhubaneswar-25



**DGPS MAP SHOWING AN AREA OF 23.952 Ha. IN JATIA R.F.  
FOR COMPENSATORY AFFORESTATION AGAINST 4-LANING OF EXISTING ROAD  
FROM BAHARGORA TO SINGHARA SECTION OF NH-6.**



*Counters Signed*

*Sanyal*  
Divisional Forest Officer  
Rourkela Division







SCALE :- 1:3,960



### LEGEND



C.A. LAND PILLARS



C.A. LAND BOUNDARY

### AREA STATISTICS OF C.A. LAND

SL.NO	FOREST NAME	AREA IN Ha	AREA IN Ac
1	BARPANI R.F	55.126	136.219
TOTAL AREA		55.126	136.219

### DGPS CO-ORDINATES OF C.A. LAND PILLARS

PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
P-1	277415.944	2481762.167	84°50'14.76744"	22°25'39.40968"
P-2	277815.837	2481868.872	84°50'28.69332"	22°25'43.06476"
P-3	277940.642	2481781.090	84°50'33.10008"	22°25'40.27008"
P-4	278080.675	2481979.783	84°50'37.89564"	22°25'46.79292"
P-5	278299.545	2482017.955	84°50'45.52764"	22°25'48.13572"
P-6	278354.764	2482172.944	84°50'47.38056"	22°25'53.19840"
P-7	278198.727	2482378.949	84°50'41.82216"	22°25'59.82096"
P-8	278144.585	2482478.119	84°50'39.87960"	22°26'03.01848"
P-9	278015.512	2482542.673	84°50'35.33496"	22°26'05.05608"
P-10	277901.285	2482442.382	84°50'31.39188"	22°26'01.74336"
P-11	277894.990	2482210.067	84°50'31.28856"	22°25'54.19020"
P-12	277783.141	2482093.793	84°50'27.43692"	22°25'50.35908"
P-13	277532.604	2482032.428	84°50'18.70980"	22°25'48.24768"
P-14	277387.205	2482266.747	84°50'13.50888"	22°25'55.79472"
P-15	276945.339	2482312.984	84°49'58.03824"	22°25'57.09036"
P-16	276820.461	2482261.205	84°49'53.69880"	22°25'55.34904"
P-17	276792.937	2482186.723	84°49'52.77432"	22°25'52.91544"
P-18	276708.226	2482069.366	84°49'49.87236"	22°25'49.06164"
P-19	276672.793	2481951.387	84°49'48.69336"	22°25'45.21072"
P-20	276987.911	2481983.210	84°49'59.69316"	22°25'46.39296"
P-21	277131.363	2482160.543	84°50'04.61832"	22°25'52.22352"
P-22	277230.102	2482101.210	84°50'08.10024"	22°25'50.34144"
P-23	277287.201	2482007.917	84°50'10.14324"	22°25'47.33616"
P-24	277255.166	2481930.793	84°50'09.06216"	22°25'44.81472"
P-25	277264.502	2481797.201	84°50'09.45600"	22°25'40.47744"

DGPS SURVEY CONDUCTED BY

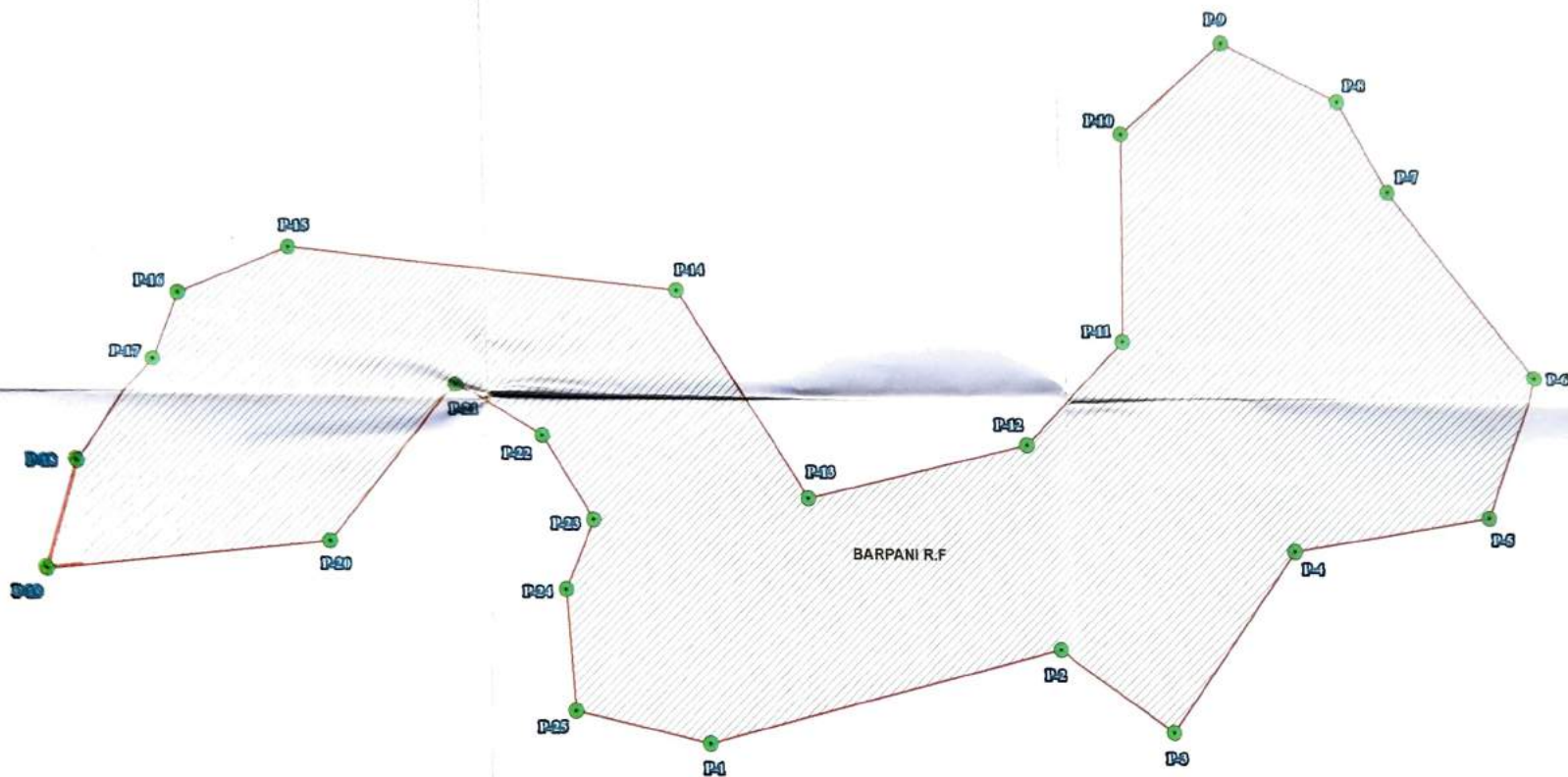


DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD

1015, Bhagabat Sandhan,  
GGP Canal Road, Rasulgarh, Bhubaneswar-25



**DGPS MAP SHOWING AN AREA OF 55.126 Ha. IN BARPANI R.F  
FOR COMPENSATORY AFFORESTATION AGAINST 4-LANING OF EXISTING ROAD FROM  
BAHARAGORA TO SINGHARA SECTION OF NH-6.**



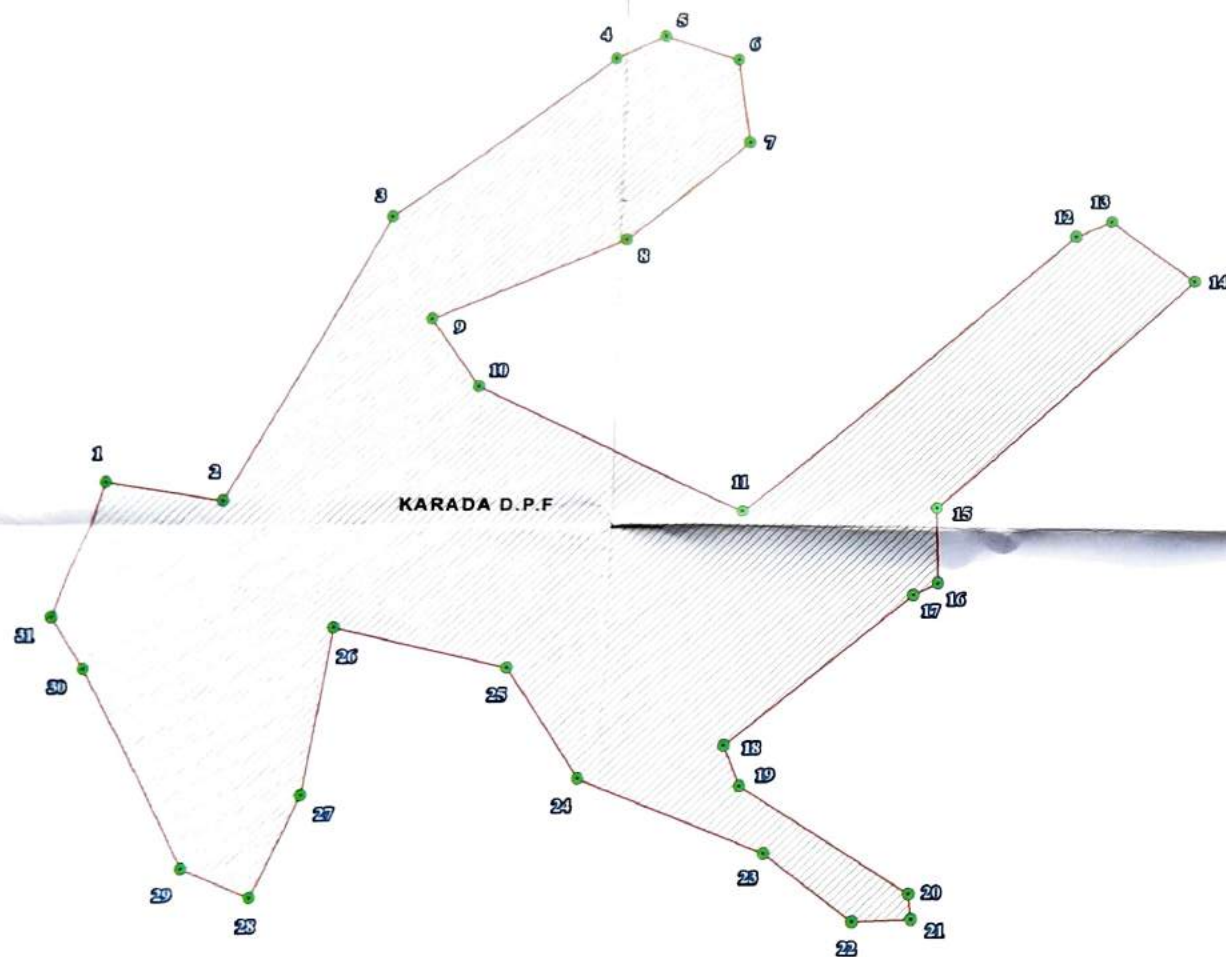
Counter signed

Divisional Forest Officer  
Rourkela Division

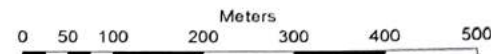




**DGPS MAP SHOWING AN AREA OF 44.843 Ha. IN KARADA D.P.F  
FOR COMPENSATORY AFFORESTATION AGAINST 4-LANING OF EXISTING ROAD  
FROM BAHARGORA TO SINGHARA SECTION OF NH-6.**



SCALE :- 1:3,960



**LEGEND**

- C.A LAND PILLARS
- CA LAND BOUNDARY

**AREA STATISTICS OF C.A.LAND**

SL.NO	FOREST NAME	AREA IN AC.	AREA IN Ha.
1	KARADA D.P.F	110.810	44.843
<b>TOTAL AREA</b>		<b>110.810</b>	<b>44.843</b>

**DGPS CO-ORDINATES OF C.A.LAND PILLARS**

PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	289116.695	2441107.608	84°57'23.01372"	22°03'43.36452"
2	289243.795	2441087.692	84°57'27.45504"	22°03'42.77268"
3	289412.169	2441414.973	84°57'33.17328"	22°03'53.48376"
4	289657.076	2441596.480	84°57'41.62860"	22°03'59.49000"
5	289711.921	2441624.612	84°57'43.52796"	22°04'00.42816"
6	289793.014	2441599.237	84°57'46.36764"	22°03'59.63868"
7	289807.390	2441503.518	84°57'46.91376"	22°03'56.53368"
8	289674.865	2441387.892	84°57'42.34644"	22°03'52.71768"
9	289460.550	2441297.099	84°57'34.91532"	22°03'49.67352"
10	289515.842	2441219.164	84°57'36.87984"	22°03'47.16432"
11	289812.336	2441076.577	84°57'47.28492"	22°03'42.65856"
12	290173.377	2441395.178	84°57'59.72616"	22°03'53.17092"
13	290213.321	2441412.461	84°58'01.11108"	22°03'53.75016"
14	290306.626	2441342.714	84°58'04.39716"	22°03'51.52356"
15	290026.428	2441080.749	84°57'54.74844"	22°03'42.88716"
16	290028.987	2440993.485	84°57'54.87804"	22°03'40.05180"
17	290001.992	2440980.212	84°57'53.94312"	22°03'39.60864"
18	289799.245	2440810.995	84°57'46.95228"	22°03'34.02072"
19	289818.154	2440766.051	84°57'47.63232"	22°03'32.56812"
20	290005.404	2440646.759	84°57'54.21708"	22°03'28.77192"
21	290008.541	2440619.704	84°57'54.33912"	22°03'27.89388"
22	289945.227	2440617.144	84°57'52.13268"	22°03'27.78300"
23	289846.941	2440691.229	84°57'48.67128"	22°03'30.14856"
24	289642.946	2440774.751	84°57'41.51916"	22°03'32.77476"
25	289560.011	2440897.986	84°57'38.56968"	22°03'36.74412"
26	289372.965	2440943.015	84°57'32.02668"	22°03'38.12652"
27	289345.046	2440756.255	84°57'31.14036"	22°03'32.04396"
28	289296.437	2440644.022	84°57'29.49768"	22°03'28.37484"
29	289220.683	2440675.284	84°57'26.84160"	22°03'29.35800"
30	289105.682	2440895.798	84°57'22.72860"	22°03'36.47520"
31	289069.173	2440953.496	84°57'21.42864"	22°03'38.33496"

*Counter Signed*

*[Signature]*  
Divisional Forest Officer  
Rourkela Division



DGPS SURVEY CONDUCTED BY

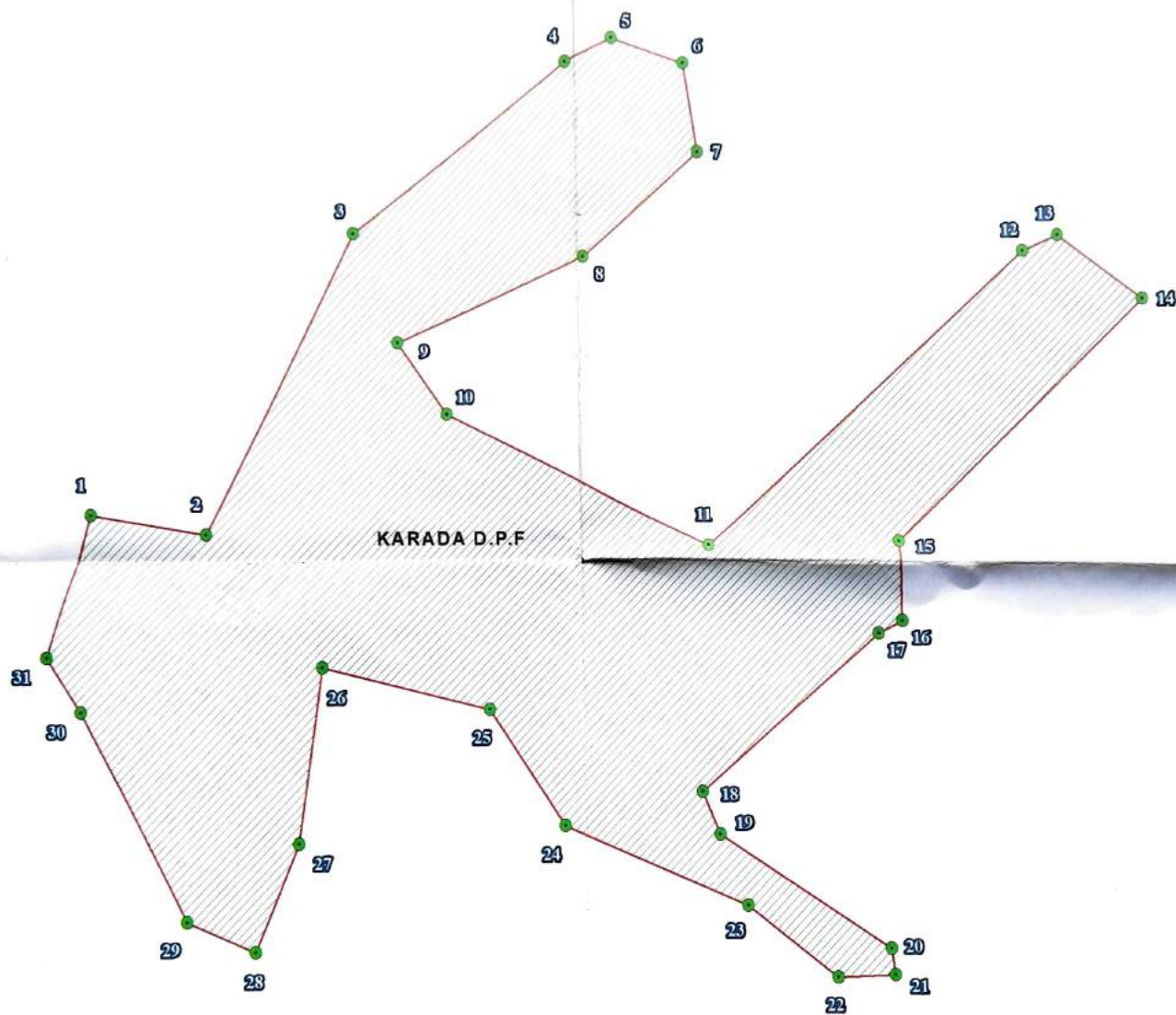


**DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD**

1015, Bhagabat Soudham,  
GGP Canal Road, Rasulpur, Bhubaneswar-75



**DGPS MAP SHOWING AN AREA OF 44.843 Ha. IN KARADA D.P.F  
FOR COMPENSATORY AFFORESTATION AGAINST 4-LANING OF EXISTING ROAD  
FROM BAHARGORA TO SINGHARA SECTION OF NH-6.**



*Contours Signed*

*[Signature]*  
Divisional Forest Officer  
Rourkela Division



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SL. No.

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PILLAR

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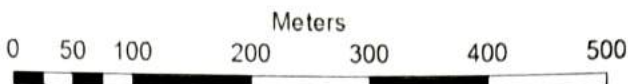
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SCALE :- 1:3,960



## LEGEND



C.A LAND PILLARS



CA LAND BOUNDARY

### AREA STATISTICS OF C.A.LAND

SL.NO	FOREST NAME	AREA IN Ac.	AREA IN Ha.
1	KARADA D.P.F	110.810	44.843
TOTAL AREA		110.810	44.843

### DGPS CO-ORDINATES OF C.A.LAND PILLARS

PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	289116.695	2441107.608	84°57'23.01372"	22°03'43.36452"
2	289243.795	2441087.692	84°57'27.45504"	22°03'42.77268"
3	289412.169	2441414.973	84°57'33.17328"	22°03'53.48376"
4	289657.076	2441596.480	84°57'41.62860"	22°03'59.49000"
5	289711.921	2441624.612	84°57'43.52796"	22°04'00.42816"
6	289793.014	2441599.237	84°57'46.36764"	22°03'59.63868"
7	289807.390	2441503.518	84°57'46.91376"	22°03'56.53368"
8	289674.865	2441387.892	84°57'42.34644"	22°03'52.71768"
9	289460.550	2441297.099	84°57'34.91532"	22°03'49.67352"
10	289515.842	2441219.164	84°57'36.87984"	22°03'47.16432"
11	289812.336	2441076.577	84°57'47.28492"	22°03'42.65856"
12	290173.377	2441395.178	84°57'59.72616"	22°03'53.17092"
13	290213.321	2441412.461	84°58'01.11108"	22°03'53.75016"
14	290306.626	2441342.714	84°58'04.39716"	22°03'51.52356"
15	290026.428	2441080.749	84°57'54.74844"	22°03'42.88716"
16	290028.987	2440993.485	84°57'54.87804"	22°03'40.05180"
17	290001.992	2440980.212	84°57'53.94312"	22°03'39.60864"
18	289799.245	2440810.995	84°57'46.95228"	22°03'34.02072"
19	289818.154	2440766.051	84°57'47.63232"	22°03'32.56812"
20	290005.404	2440646.759	84°57'54.21708"	22°03'28.77192"
21	290008.541	2440619.704	84°57'54.33912"	22°03'27.89388"
22	289945.227	2440617.144	84°57'52.13268"	22°03'27.78300"
23	289846.941	2440691.229	84°57'48.67128"	22°03'30.14856"
24	289642.946	2440774.751	84°57'41.51916"	22°03'32.77476"
25	289560.011	2440897.986	84°57'38.56968"	22°03'36.74412"
26	289372.965	2440943.015	84°57'32.02668"	22°03'38.12652"
27	289345.046	2440756.255	84°57'31.14036"	22°03'32.04396"
28	289296.437	2440644.022	84°57'29.49768"	22°03'28.37484"
29	289220.683	2440675.284	84°57'26.84160"	22°03'29.35800"
30	289105.682	2440895.798	84°57'22.72860"	22°03'36.47520"
31	289069.173	2440953.496	84°57'21.42864"	22°03'38.33496"

DGPS SURVEY CONDUCTED BY





- DGPS Survey of identified areas prepared for Compensatory afforestation in Kourkela Forest Division in lieu of forest areas proposed for diversion for rehabilitation and upgradation of N.H-6 (Bakargoda-Singoda Section) has been carried out by NTAI through M/s. DCS Pvt. Ltd., Bhubaneswar.

- DGPS Survey co-ordinates are verified by AERAC. Also maps showing areas prepared for compensatory afforestation are verified with geo-referenced cadastral sheet/survey coordinates and compared with Ortho-referenced Contour Satellite image and found that maps are correct at a confidence level of 95%.

- All the areas proposed for compensatory afforestation comes in five patches of which two patches in R.Fs. (One patch each in Barpali R.F. and Jatia R.F. under Panchitpur Range), one patch in Korada D.P.F. and two patches in village Belimbadi under K. Balanga Range. Total area proposed for compensatory afforestation works out to 177.5584 ha. includes 55.1264 ha. in Barpali R.F., 23.4524 ha. in Jatia R.F., 44.843 ha. in Korada D.P.F. and 53.637 ha. in village Belimbadi from the submitted 864 filed against the allotted area of 178.3284 ha. (55.1264 ha. in Barpali R.F., 23.4524 ha. in Jatia R.F., 44.843 ha. in Korada D.P.F. and 54.405 ha. in the village Belimbadi) as mentioned in preceding letters.

- Additional 3 maps showing areas proposed for compensatory afforestation in Barpali R.F., Jatia R.F. and Korada D.P.F. are attached herewith.

*(Signature)*  
 District Forest Officer  
 Bhubaneswar



*(Signature)*  
 District Forest Officer

*(Signature)*  
 District Forest Officer  
 Kourkela Division

DCPS SURVEY CONDUCTED BY

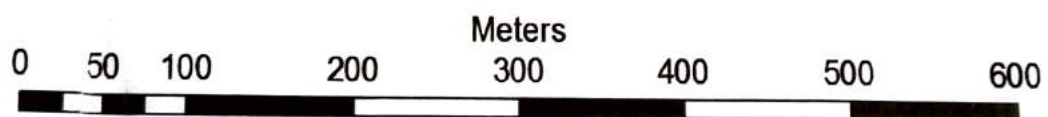


DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD  
 1015, Bhubaneswar,  
 GGP Canal Road, Kourkela, Bhubaneswar-75





**SCALE :- 3,960**



### **LEGEND**



**C.A.LAND PILLARS**



**GEOREFERENCE POINT**



**C.A.LAND BOUNDARY**



AREA STATISTICS OF C.A.LAND					
SL.NO	VILLAGE NAME	PLOT NO.	KISSAM	AREA IN Ac	AREA IN Ha
1	DALUMBADIHI	686	PATRA JUNGLE	39.47	15.974
2		687	PATRA JUNGLE	40.00	16.188
3		689	PATRA JUNGLE	53.07	21.475
TOTAL AREA				132.54	53.637

DGPS CO-ORDINATES OF C.A.LAND PILLARS				
PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	297480.886	2434411.940	85°02'18.12516"	21°59'36.78720"
2	297920.048	2433208.810	85°02'33.52272"	21°59'30.36732"
3	297939.850	2433105.361	85°02'34.25892"	21°59'27.01320"
4	297920.519	2432994.743	85°02'33.63468"	21°59'23.40924"
5	297845.650	2432909.984	85°02'31.06284"	21°59'20.62320"
6	297853.434	2432746.811	85°02'31.40700"	21°59'15.32220"
7	297885.072	2432738.482	85°02'32.51328"	21°59'15.06480"
8	297880.191	2432603.823	85°02'32.40348"	21°59'10.68540"
9	297858.090	2432555.554	85°02'31.65468"	21°59'09.10716"
10	297830.956	2432593.133	85°02'30.69204"	21°59'10.31748"
11	297862.911	2432636.667	85°02'31.78644"	21°59'11.74596"
12	297803.840	2432621.034	85°02'29.73480"	21°59'11.21316"
13	297637.061	2432740.358	85°02'23.86860"	21°59'15.02232"
14	297528.820	2432921.213	85°02'20.01516"	21°59'20.85612"
15	297492.449	2432922.527	85°02'18.74688"	21°59'20.88384"
16	297422.174	2432868.455	85°02'16.32192"	21°59'19.09680"
17	297290.962	2432828.143	85°02'11.76684"	21°59'17.73168"
18	297227.004	2432843.010	85°02'09.53088"	21°59'18.18816"
19	297206.037	2432867.171	85°02'08.78928"	21°59'18.96468"
20	297255.613	2432957.989	85°02'10.47660"	21°59'21.93756"
21	297316.671	2433090.645	85°02'12.54552"	21°59'26.27520"
22	297325.310	2433176.394	85°02'12.80796"	21°59'29.06592"
23	297363.726	2433205.448	85°02'14.13420"	21°59'30.02640"
24	297740.314	2432425.561	85°02'27.60792"	21°59'04.83288"
25	297691.217	2432323.146	85°02'25.94256"	21°59'01.48344"
26	297655.644	2432219.604	85°02'24.74880"	21°58'58.10304"
27	297605.468	2432074.652	85°02'23.06472"	21°58'53.37012"
28	297528.691	2431922.800	85°02'20.45688"	21°58'48.40212"
29	297159.422	2431667.975	85°02'07.70136"	21°58'39.96516"
30	297002.812	2431562.220	85°02'02.29056"	21°58'36.46200"
31	296917.889	2431407.900	85°01'59.40012"	21°58'31.41048"
32	296731.330	2431124.700	85°01'53.02560"	21°58'22.12716"
33	296636.088	2431122.708	85°01'49.70748"	21°58'22.02240"
34	296622.931	2431199.441	85°01'49.21464"	21°58'24.51108"
35	296636.320	2431259.874	85°01'49.65384"	21°58'26.48100"
36	296678.290	2431238.196	85°01'51.12624"	21°58'25.79412"
37	296707.797	2431256.249	85°01'52.14648"	21°58'26.39316"
38	296715.514	2431302.890	85°01'52.39452"	21°58'27.91236"
39	296743.657	2431307.762	85°01'53.37300"	21°58'28.08264"
40	296762.980	2431297.901	85°01'54.05088"	21°58'27.77016"
41	296791.085	2431309.022	85°01'55.02540"	21°58'28.14348"
42	296755.114	2431345.151	85°01'53.75568"	21°58'29.30268"
43	296734.013	2431353.782	85°01'53.01660"	21°58'29.51048"
44	296796.685	2431384.872	85°01'55.18668"	21°58'30.61128"
45	296823.517	2431416.997	85°01'56.10720"	21°58'31.66680"
46	296882.096	2431443.528	85°01'58.13688"	21°58'32.55348"
47	297011.032	2431622.021	85°02'02.55048"	21°58'38.40960"
48	297063.154	2431713.800	85°02'04.32600"	21°58'41.41452"
49	297159.410	2431716.213	85°02'07.67940"	21°58'41.53296"
50	297241.196	2431750.376	85°02'10.51440"	21°58'42.67776"
51	297271.447	2431799.902	85°02'11.54652"	21°58'44.30028"
52	297220.518	2431977.105	85°02'09.69216"	21°58'50.03904"
53	297235.040	2432008.666	85°02'10.18428"	21°58'51.07080"
54	297293.837	2432066.034	85°02'12.20784"	21°58'52.96008"
55	297305.575	2432123.548	85°02'12.59124"	21°58'54.83460"
56	297368.003	2432233.220	85°02'14.71776"	21°58'58.42560"
57	297422.587	2432254.855	85°02'16.61064"	21°58'59.15172"
58	297482.731	2432298.006	85°02'18.68748"	21°59'00.57948"
59	297556.806	2432337.649	85°02'21.25140"	21°59'01.89888"
60	297648.586	2432407.300	85°02'24.41904"	21°59'04.20108"
61	297730.687	2432425.253	85°02'27.27240"	21°59'04.81884"

CO-ORDINATES OF GEOREFERENCING POINTS				
POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
G-1	297932.859	2433230.209	85°02'33.95976"	21°59'31.06824"
G-2	297461.163	2433443.352	85°02'17.42388"	21°59'37.80024"
G-3	296453.518	2432876.674	85°01'42.55752"	21°59'18.95892"
G-4	297956.512	2432773.359	85°02'34.98792"	21°59'16.22796"
G-5	297832.936	2432347.236	85°02'30.87096"	21°59'02.32548"
G-6	297290.549	2431707.152	85°02'12.25356"	21°58'41.29320"
G-7	296774.778	2431152.324	85°01'54.52752"	21°58'23.04300"





SCALE : 3,960



### LEGEND



C.A. LAND PILLARS



GEOREFERENCE POINTS



C.A. LAND BOUNDARY

### AREA STATISTICS OF C.A. LAND

AREA STATISTICS OF CALAND					
SL. NO	VILLAGE NAME	PLOT NO.	KISSAM	AREA IN Ac	AREA IN Ha
1	DALUMBADIHI	686	PATRA JUNGLE	39.47	15.974
2		687	PATRA JUNGLE	40.00	16.188
3		689	PATRA JUNGLE	53.07	21.475
TOTAL AREA				132.54	53.637

### DGPS CO-ORDINATES OF C.A. LAND PILLARS

PILLAR ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	297480.886	2433411.940	85°02'18.12516"	21°59'36.78720"
2	297920.048	2433208.810	85°02'33.52272"	21°59'30.36732"
3	297939.850	2433105.361	85°02'34.25892"	21°59'27.01320"
4	297920.519	2432994.743	85°02'33.63468"	21°59'23.40924"
5	297845.650	2432909.984	85°02'31.06284"	21°59'20.62320"
6	297853.434	2432746.811	85°02'31.40700"	21°59'15.32220"
7	297885.072	2432738.482	85°02'32.51328"	21°59'15.06480"
8	297880.191	2432603.823	85°02'32.40348"	21°59'10.68540"
9	297858.090	2432555.554	85°02'31.65468"	21°59'09.10716"
10	297830.956	2432593.133	85°02'30.69204"	21°59'10.31748"
11	297862.911	2432636.667	85°02'31.78644"	21°59'11.74596"
12	297803.840	2432621.034	85°02'29.73480"	21°59'11.21316"
13	297637.061	2432740.358	85°02'23.86860"	21°59'15.02232"
14	297528.820	2432921.213	85°02'20.01516"	21°59'20.85612"
15	297492.449	2432922.527	85°02'18.74688"	21°59'20.88384"
16	297422.174	2432868.455	85°02'16.32192"	21°59'19.09680"
17	297290.962	2432828.143	85°02'11.76684"	21°59'17.73168"
18	297227.004	2432843.010	85°02'09.53088"	21°59'18.18816"
19	297206.037	2432867.171	85°02'08.78928"	21°59'18.96468"
20	297255.613	2432957.989	85°02'10.47660"	21°59'21.93756"
21	297316.671	2433090.645	85°02'12.54552"	21°59'26.27520"
22	297325.310	2433176.394	85°02'12.80796"	21°59'29.06592"
23	297363.726	2433205.448	85°02'14.13420"	21°59'30.02640"
24	297740.314	2432425.561	85°02'27.60792"	21°59'04.83288"
25	297691.217	2432323.146	85°02'25.94256"	21°59'01.48344"
26	297655.644	2432219.604	85°02'24.74880"	21°58'58.10304"
27	297605.468	2432074.852	85°02'23.06472"	21°58'53.37012"
28	297528.691	2431922.800	85°02'20.45688"	21°58'48.40212"
29	297159.422	2431667.975	85°02'07.70136"	21°58'39.96516"
30	297002.812	2431562.220	85°02'02.29056"	21°58'36.46200"
31	296917.889	2431407.900	85°01'59.40012"	21°58'31.41048"
32	296731.330	2431124.700	85°01'53.02560"	21°58'22.12716"
33	296636.088	2431122.708	85°01'49.70748"	21°58'22.02240"
34	296622.931	2431199.441	85°01'49.21464"	21°58'24.51108"
35	296636.320	2431259.874	85°01'49.65884"	21°58'26.48100"
36	296678.290	2431238.196	85°01'51.12624"	21°58'25.79412"
37	296707.797	2431256.249	85°01'52.14648"	21°58'26.39316"
38	296715.514	2431302.890	85°01'52.39452"	21°58'27.91236"
39	296743.657	2431307.762	85°01'53.37300"	21°58'28.08264"
40	296762.980	2431297.901	85°01'54.05088"	21°58'27.77016"
41	296791.085	2431308.022	85°01'55.02540"	21°58'28.14348"
42	296755.114	2431345.151	85°01'53.75568"	21°58'29.30268"
43	296734.013	2431353.782	85°01'53.01660"	21°58'29.57448"
44	296796.685	2431384.872	85°01'55.18668"	21°58'30.61128"
45	296823.517	2431416.997	85°01'56.10720"	21°58'31.66680"
46	296882.096	2431443.528	85°01'58.13688"	21°58'32.55348"
47	297011.032	2431622.021	85°02'02.55048"	21°58'38.40960"
48	297063.154	2431713.800	85°02'04.32600"	21°58'41.41452"
49	297159.410	2431716.213	85°02'07.67940"	21°58'41.53296"
50	297241.196	2431750.376	85°02'10.51440"	21°58'42.67776"
51	297271.447	2431799.902	85°02'11.54652"	21°58'44.30028"
52	297220.518	2431977.105	85°02'09.69216"	21°58'50.03904"
53	297235.040	2432008.666	85°02'10.18428"	21°58'51.07080"
54	297293.837	2432066.034	85°02'12.20784"	21°58'52.96008"
55	297305.575	2432123.548	85°02'12.59124"	21°58'54.83460"
56	297368.003	2432233.220	85°02'14.71776"	21°58'58.42560"
57	297422.587	2432254.855	85°02'16.61064"	21°58'59.15172"
58	297482.711	2432298.006	85°02'18.68748"	21°59'00.57948"
59	297556.806	2432337.649	85°02'21.25140"	21°59'01.89888"
60	297648.586	2432407.300	85°02'24.41904"	21°59'04.20108"
61	297730.687	2432425.253	85°02'27.27240"	21°59'04.81884"

### CO-ORDINATES OF GEOREFERENCING POINTS

POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
G-1	297932.859	2433230.209	85°02'33.95976"	21°59'31.06824"
G-2	297461.163	2433443.352	85°02'17.42388"	21°59'37.80024"
G-3	296453.518	2432876.674	85°01'42.55752"	21°59'18.95892"
G-4	297956.512	2432773.359	85°02'34.98792"	21°59'16.22796"
G-5	297832.936	2432347.236	85°02'30.87096"	21°59'02.32548"
G-6	297290.549	2431707.152	85°02'12.25356"	21°58'41.29320"
G-7	296774.778	2431152.324	85°01'54.52752"	21°58'23.04300"



**DGPS MAP SHOWING AN AREA OF 53.637 Ha. IN VILLAGE -DALIMBADIHI  
FOR COMPENSATORY AFFORESTATION AGAINST 4-LANING OF EXISTING ROAD FROM  
BAHARGORA TO SINGHARA SECTION OF NH-6.**

ଜିଲ୍ଲା ସ୍ୱତନ୍ତ୍ରତା

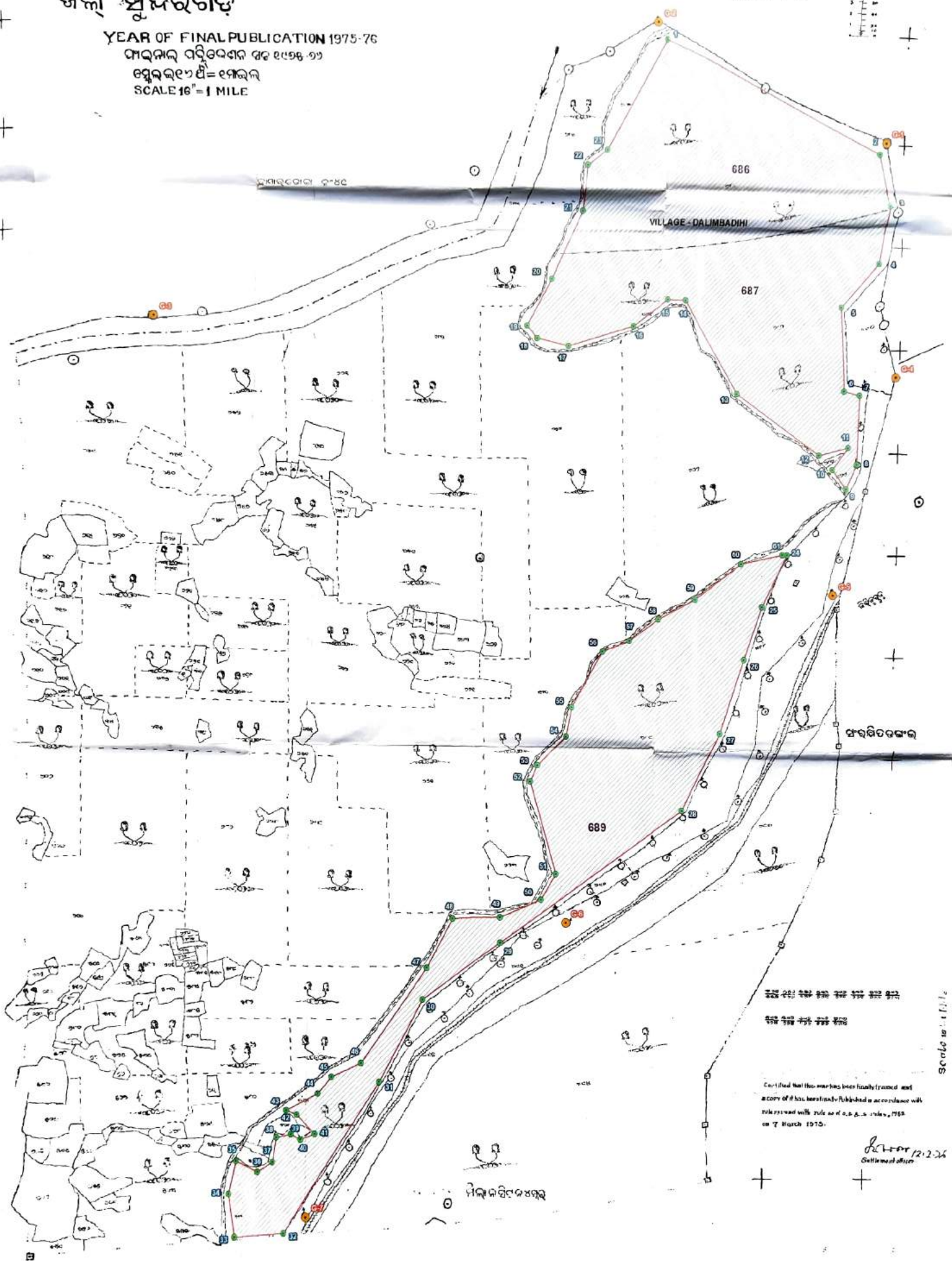
YEAR OF FINAL PUBLICATION 1975-76

ମାପକାଳ ପ୍ରତିଷ୍ଠାପନ ବର୍ଷ ୧୯୭୫-୭୬

ସ୍ୱଳ୍ପକାଳ ପ୍ରତିଷ୍ଠାପନ

SCALE 1" = 1 MILE

ବେଘରପାଳା ନଂ ୩୩



ଫିଲ୍ଡ ଓଫିସରଙ୍କ ଦ୍ୱାରା ପ୍ରମାଣିତ

Certified that this map has been finally framed and  
accuracy of it has been finally published in accordance with  
rules framed with rule no. 4, P. S. rules, 1953  
on 7 March 1975.

12.2.76  
Settlement Officer

Scale 1" = 1 Mile



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चंदमारी पडीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHAI/11011/5/Forest/2020/PIU/BLS/685

28 Aug 2020

To

The Field Director,  
Similipal Tiger Reserve-cum-Regional CCF,  
Baripada.

Sub.: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singhara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Submission of compliance report on Stage-I approval accorded by ERO, MoEF, Bhubaneswar- reg.

Ref.: 1. PCCF(WL) Letter No. 11973 dated 22-06-2020  
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada letter No. 2015 dated 07-07-2020

Sir,

With reference to the subject cited above, please refer to your letter No. 2015 dated 07 July 2020 vide which certain observations have been raised in respect to Stage-II clearance and requested to submit the compliance report. In this regard, the point wise compliance in tabular format are as follows:

Condition No.	Condition	Observation	Compliance
vi	State Govt. shall take up plantation of 10 times the number of trees to be felled from non-forest land of the project alignment at the cost of user agency, and the site of planting and locally regenerated trees species proposed for planting, should also be communicated to the Eastern Regional Office.	The User Agency reports to have deposited Rs.35,51,57,640.00 with OFDC Ltd. towards the cost of plantation of 10 times the number of trees to be felled from non-forest land of the project. But the copy of approved scheme for the plantation and document in support of the deposit from OFDC Ltd has not been furnished.	This office has deposited an amount of Rs.35,51,57,640/- towards Plantation of 222770 Nos. of trees and same has been communicated vide this office letter No. 121 dated 08-02-2019 in addition Rs. 22,58,323.00/- deposited with OFDC & Acknowledgment receipt received from OFDC DM, OFDC, Baripada vide Memo No. 732 dated

			21-02-2019 & Memo No Nil dated 18-03-2019 are enclosed herewith. Further, Approved Plantation Scheme is enclosed herewith.
vii	State Govt. shall furnish details of trees enumerated over non-forest land of the road alignment before tree felling permission is issued.	The details of trees enumerated for felling, over non-forest land of the road alignment duly authenticated by the DFOs concerned has not been furnished.	Tree enumeration list is enclosed herewith.
xi	During discussion with the user agency the committee enquired that, "how would the user agency prepare underpass on the uphill portions, which area quite steep"? The NHAI representative clarified that, "the new alignment at the sites of underpasses, will be elevated by up to 8 meters, so that, the existing portion of the road stays as an under passé for wildlife including elephants". Accordingly, NHAI shall certify the given statement and submit the drawings (Plans, Elevations Sections) for easy understanding of the said plan to Eastern Regional Office within next 3 days. In addition the user agency shall execute any habitat improvement in and around all Underpasses as advised by the CWLW of the state.	The certificate stipulated above by MoEF & CC in their letter under reference has neither been furnished on map nor separately. The additional forest land requirement for smoothening of ghat curves, shown in the table printed on the map submitted by UA in their letter No. 150 dated 05.02.2019 for left hand (hill side) and for construction of side drain (drain side) does not tally with the report submitted vide your letter dated 16-02-2019	Undertaking by User Agency with respect to (i) <i>New alignment at the sites of underpasses, will be elevated by up to 8 meters, so that, the existing portions, of the road stays as an under passés for wildlife including elephants &amp;</i> (ii) <i>Revised MAP in line with report submitted by RCCF, Baripada vide letter dated 16.02.2019 will be submitted within 15 days</i> (iii) <i>Any habitat improvement in and around all Underpasses as advised by the CWLW of the state is enclosed herewith.</i>



xii	<p>The position of the proposed elephant underpasses and required Site Specific Wildlife Management Plan be obtained from PCCF (WL), Odisha.</p>	<p>It has seen that the UA has furnished an undertaking to transfer the balance amount of Rs. 2,33,52,000.00 /- after obtaining the Account Number from Forest Department. But as per the approved scheme (Letter No. 11259 dated 22.12.2017) of PCCF WL &amp; CWLW, Odisha), the amount is to be utilized by User Agency in Project Area. Hence the Undertaking needs modification.</p>	<p>The account number has been received by User Agency vide PCCF (WL) letter no 3476 dated 01.05.2020 (Copy enclosed) and the amount will be deposited soon.</p>
xvi	<p>The user agency shall comply the conditions stipulated by the State Govt. vide letter No. 10F (Cons) 123/2016-6910/F&amp;E dated 05-04-2017 (except condition of payment of royalty of trees).</p>	<p>Detailed land Scheduled of forest land (also indicating Khata No. and Plot No. of Revenue forest/DLC forest/Village Forest/Sabik Forest) required for the project road duly authenticated by the Tahasildars concerned shall be furnished by the User Agency. Similarly the maps duly authenticated by concerned Divisional Forest Officers pertaining to patches of Reserved Forest Land coming within the road alignment in A4 size may also be furnished.</p> <p>It is seen from the record available that the UA has furnished the hal &amp; sabik status of non-forest land involved in the project in a combined form, which needs to be segregated for each category as desired in the stipulation i.e. for Revenue Forest, DLC forest etc separately and to be submitted duly being authenticated by Tahadildars concerned.</p>	<p>hal &amp; sabik status of non-forest land has already been submitted.</p>

*[Handwritten signature]*

xvii	<p>The boundary of the forest land proposed to be diverted shall be demarcated on the ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with the serial number, DGPS coordinates, distance for adjoining pillars etc. As per Ministry's letter No.-13-20/2015-CAMPA dated 09-06-2016, the cost of expenditure like boundary walls, stone pillars, demarcation charges, charges of felling of trees and their transportation to depots shall be deposited with DFOs concerned and the work should be undertaken departmentally in order to ensure that the task of erection of boundary walls, stone pillars, demarcation charges etc, are undertaken faithfully and in the best interests of the forest before the diversion and handing over of the forest land takes place. The work on these items should be completed within 6 months from the grant of final approval to diversion of forest land.</p>	<p>DFOs concerned to intimate the position of demarcation of the forest land to be diverted by User Agency by posting of pillars of specific size and make. If done, then the UA need to modify the undertaking accordingly.</p>	<p>Work has been done as per specifications under supervision of concerned DFOs.</p>
xviii	<p>The State Forest Department/UA shall submit the surveyed sketch of 178.238 ha of degraded forest land</p>	<p>DFO Rourkela should comply the condition in full. He should furnish the forward/backward bearing of each demarcation pillar of surveyed CA land,</p>	<p>Undertaking is enclosed herewith.</p>



5

	identified in four patches i.e. Karada DPF (44.843 ha), Dalimbadihi Revenue Forest (54.407 ha), Barpani (55.126 ha) and Jatia RF (23.952 ha) in Rourkela Forest Division as proposed of CA, giving the forward and backward bearing of each demarcation pillar and distance between them. The State Forest Department/User Agency shall submit the DGPS reading of each demarcated pillar giving the latitude and the longitude.	distance between pillars & DGPS reading, GPS co-ordinate of each demarcated pillar, enclosing adequate numbers of authenticated map there-of.	
xxvi	The user agency shall provide LPG or alternate fuel, to laboures working at the site to avoid damage/tree felling and ensure to fuelwood use.	User Agency is to be requested to submit the undertaking correctly complying the stipulation.	Undertaking is enclosed herewith.

This is for your information and further necessary action.

Encl.: As above

Yours faithfully,

  
(R. Venkateswarlu)  
GM (Tech.) & Project Director

28/08/2022

Copy to:

1. The Principal Chief Conservator of Forests, Aranya Bhawan, Chandrasekharpur, Bhubaneswar - 23 for kind information.
2. Divisional Forest Officer, Baripada/Rourkela/Karanjia/Rairangpur for for information and necessary action.

# Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Ltd. Rev.)

(A Government of Odisha Undertaking)

CIN-U02005OR1962SGC000446

OFFICE OF THE DIVISIONAL MANAGER, BARIPADA (C) DIVISION

Baripada, Mayurbhanja, Odisha, PIN-757001, Tele/Fax-06792 252272

[Website: www.odishafore.com Email ID: dm\_baripada@odishafore.com]

No. \_\_\_\_\_ OFDC, Dated Baripada, the \_\_\_\_\_ March 2018

To: Managing Director,

OFDC Ltd. Bhubaneswar

Subject: Deposit of balance funds by G.M. (Tech) & P.D. NHAI, Odhagore towards raising of compensatory plantation of Baharagora Singara Section along NH-06

This office letter No. 750 dt. 21.02.2018.

S,

We would like to intimate that balance sum of Rs. 22,58,323 (Twenty Two Lakh Fifty Eight Thousand Three Hundred Twenty Three) has

been received from the G.M. (Tech) & Project Director, NHAI, Odhagore towards compensatory avenue plantation of 2,22,770 nos. seedlings for 1,9,000 (one lakh ninety thousand) block plantation against tree felling project of Baharagora Singara Section along NH-06 after deducting the cost of land development operation of 1% CGST SGST and 1% CGST CGST. The said amount has been deposited in the P.D. Revenue Account No-II: 5501201000049 of Baripada Branch of State Bank of India, Baripada, dt. 28.2.2018 and transferred to Central Account No. 101 of 01.03.2018.

The details of working party establishment and cost of the above are furnished below for favour of kind information and necessary action.

Particular	Amount due as per approved estimate except land development	Amount received earlier vide MRT No. BARIRV 401 dt. 14.2.2019 & date	Balance amount now received vide MRT No. BARIRV 401 dt. 28.2.2018
Operational cost	27,26,28,500.00	27,26,28,500.00	0
Estt. Cost @ 15%	4,08,94,275.00	4,08,93,428.00	847.00
<b>Total</b>	<b>31,35,22,775.00</b>	<b>31,35,21,928.00</b>	<b>847.00</b>
CGST 9%	2,82,17,050.00	2,82,16,974.00	76.00
SGST 9%	2,82,17,050.00	2,82,16,974.00	76.00
<b>Grand Total</b>	<b>36,99,56,875.00</b>	<b>36,99,55,876.00</b>	<b>999.00</b>
Less TDS on I.Tax 2%	62,70,456.00	62,70,456.00	0
CGST 1%	31,35,228.00	31,35,228.00	0
SGST 1%	31,35,228.00	31,35,228.00	0
<b>Net amount</b>	<b>35,74,15,963.00</b>	<b>35,51,57,640.00</b>	<b>22,58,323.00</b>

Yours faithfully

*[Signature]*

Divisional Manager,  
Baripada (C) Division

Encl: Bank statement.

CC: P.D. NHAI, Baripada

CC: P.D. NHAI, Odhagore

924 25347

10/3/18

10/3/18



# Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Limited)

(A Government of Odisha Undertaking)

CIN-U02005OR1962SGC000446

OFFICE OF THE DIVISIONAL MANAGER, BARIPADA (C) DIVISION

Baripada, Mayurbhanja, Odisha, PIN-757001, Tele/Fax-06742-252272

(Website: [www.odishaofdc.com](http://www.odishaofdc.com), E-mail: [ofdc@baripada.odishaofdc.com](mailto:ofdc@baripada.odishaofdc.com))

No. \_\_\_\_\_/OFDC, Dated: Baripada, the \_\_\_\_\_ Feb'19

The Managing Director,  
OFDC Ltd, Bhubaneswar.

Sub: \*Deposit of funds by GM (Tech) & P.D. NHAI, Balasore funds for raising of compensatory plantation of Baharagora-Singara Section along NH-06

Sir,

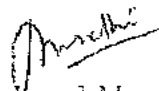
We would like to intimate that an amount Rs 35,51,57,640/- (Rupees thirty five crore fifty one lakh fifty seven thousand six hundred forty) only has been received from the G.M.(Tech) & Project Director, NHAI, Balasore for compensatory a plantation of 2,22,770 nos. seedlings (i.e. 1,09,000 avenue and 1,13,770 block plantation) against tree felling project of Baharagora-Singara Section along NH-06 after deducting land development operation, 2% TDS and 1% SGST and 1% (GST) CGST. The said amount has been deposited in OFDC Ltd. revenue Account No-B 55012010000649 of Bank of India, Baripada on 11.02.2019 through RTGS and transferred to Central account on dt.15.02.2019.

The details of working cost/ Establishment cost of the above fund are furnished below for favour of kind information and necessary action.


Name of the project/ Agency.	Use	Approved estimate	Funds released by User Agency after deducting Land Dev. Operation and 2% TDS and 2% GST on TDS (i.e. 1% SGST & 1% CGST)
Compensatory plantation of 2,22,770 seedlings against tree felling project of Baharagora-Singara Section along NH-06	Operational cost	Rs 27,26,28,500.00	Total operational cost Rs 27,26,28,500.00
	Land dev.	Rs 1,93,22,550.00	Estt. Cost @ 15% Rs 4,08,93,428.00
	Total	Rs 29,19,51,050.00	Total Operational Expr Rs 31,35,21,928.00
	Estt. Cost @ 15%	Rs 4,37,92,658.00	(-) GST @ 9% SGST Rs 2,82,16,974.00
	Total op. Expr	Rs 33,57,43,708.00	(-) GST @ 9% CGST Rs 2,82,16,974.00
	GST @ 9% SGST	Rs 3,02,16,934.00	G.Total Rs 36,99,55,876.00
	GST @ 9% CGST	Rs 3,02,16,934.00	(-) 2% TDS Rs 73,99,118.00
	G.Total	Rs 39,61,77,576.00	(-) 1% TDS (GST SGST) Rs 36,99,559.00
			(-) 1% TDS (GST, CGST) Rs 36,99,559.00
			Net amount Rs 35,51,57,640.00

Yours faithfully,

Encl - Bank transfer statement.

  
Divisional Manager,  
Baripada (C) Division.

CC: Mr. T. N. S. Baripada  
Mr. S. S. Baripada/P.D., Balasore  
Mr. P. D. Baripada No. 646 P.D. 28.2.19  
Mr. P. D. Baripada No. 646 P.D. 28.2.19  
Mr. P. D. Baripada No. 646 P.D. 28.2.19

  
28/2/19  
SKD

Memo No. \_\_\_\_\_ Dated, \_\_\_\_\_

Copy submitted to the General Manager, OFI C Ltd, Bhubaneswar (C) Zone for favour of kind information and necessary action with reference to his letter No. 2772 dt. 20.11.2018.

*Amelhi*  
Divisional Manager  
Baripada (C) Division

✓ Memo No. 732 dt. 21/2/19

Copy along with Original MRT NO.BARIRV 401 dt. 14.02.2019 for Rs 35,51,57,640/- submitted to the G.M.(Tech) & P.D. NHAI, Balasore for favour of kind information and necessary action. Further we would inform you that the excess amount deducted on the above project towards 2% TDS, TDS (GST) SGST 1% and TDS (GST) CGST 1% on the total amount including GST of Rs 36,99,55,876.00 instead of total working cost excluding GST of Rs 31,35,21,928.00. The detail differential amount is furnished below for your ready reference.

Sl No	Particular	Amount due excluding land dev Cost	Amount released	Balance amount to be released
1	Operational cost	27,26,28,500.00	27,26,28,500.00	
2	Estt. Cost @ 15%	4,08,94,275.00	4,08,93,428.00	
3	Total amount	31,35,22,775.00	31,35,21,928.00	
4	GST @ 18%	5,64,34,100.00	5,64,33,948.00	
5	Total	36,99,56,875.00	36,99,55,876.00	
6	(i) TDS 2% on (313522775/-)	62,70,456.00	73,99,113.00	
7	(ii) GST TDS 1% (SGST) on (313522775/-)	31,35,228.00	36,99,559.00	
8	(iii) GST TDS 1% (CGST) on (313522775/-)	31,35,228.00	36,99,559.00	
9	Net amount due	35,74,15,963.00	35,51,57,640.00	22,58,323.00

Therefore, we would request you to kindly release the differential amount of Rs 22,58,323/- (Rupees twenty two lakh fifty eight thousand three hundred twenty three) only of the above project at an early date.

An early action in this matter is highly solicited.

*Amelhi*  
Divisional Manager,  
Baripada (C) Division.





OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE) &  
CHIEF WILDLIFE WARDEN, ODISHA

Department of Forest and Environment, Government of Odisha

No. 3476 / 1WL (Cash)-09/2020

Dated, Bhubaneswar the 09 May, 2020

To

The Regional Officer,  
National Highways Authority of India,  
301-A, 3<sup>rd</sup> Floor, Pal Heights,  
Plot No. J/7, Jayadev Vihar,  
Bhubaneswar 751013

**Sub:** *Opening of new Flexi Account in favour of DDO, O/o the PCCF (WL) & Chief Wildlife Warden, Odisha for deposit of approved cost of Site Specific Wildlife Conservation Plan (SSWLCP) by the NHAI, Bhubaneswar*

Sir,

I am directed to intimate that State Government in F & E Department in their letter No.2399/F&E dt 03.02.2020 has ordered to open a Flexi Account in favour of the DDO of this office for deposit of approved cost of SSWLCP by the NHAI. Accordingly, a Savings Account has been opened by the Dy. Conservator of Forests (Admn)-cum-DDO, O/o the PCCF (WL) & CWLW, Odisha for parking of money to be deposited by NHAI towards approved cost of Site Specific Wildlife Conservation Plan (SSWLCP) of various NH projects. The details of the Bank Account are given below.

- |                                |  |
|--------------------------------|--|
| (i) Name of A/c Holder:        | Dy. Conservator of Forests (Admn)-cum-DDO  |
| (ii) Address:                  | O/o the PCCF (WL) & CWLW, Odisha, At<br>Prakruti Bhawan, Plot No.1459, Saheed Nagar,<br>Bhubaneswar-07 |
| (iii) Type of A/c:             | Savings Bank A/c   |
| (iv) Name/Address of the Bank: | Canara Bank, Saheed Nagar, Bhubaneswar-07  |
| (v) Account No.:               | 2487101007653  |
| (vi) IFSC code:                | CNRB0002487  |
| (vii) MICR Code:               | 751015004  |

You are requested to impart necessary instruction to the PIUs accordingly.

Yours faithfully

Additional PCCF (WL)

Memo No. 3477 / date 09.05.2020

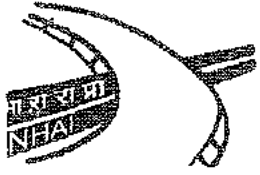
Coy forwarded to the Under Secretary to Government of Odisha, F&E Department for favour of information and necessary action with reference that department letter No.F&E-(A/Cs)-04/2019-2399/F&E dt 03.02.2020.

Additional PCCF (WL)

Memo No. 3478 / date 09.05.2020

Coy forwarded to the Deputy CF (CAMPA) of this office for information and necessary action.

Additional PCCF (WL)



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट नं - १०८६, चांदमारी पडीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

28.08.2020

### UNDERTAKING

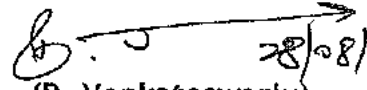
Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singhara Section (199.200 km. to 310.806 km.) (Within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Forest Diversion Proposal - Stage-I Approval - reg

Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

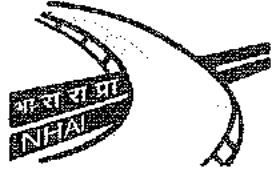
### Condition No. (xi)

It is to undertake that the new alignment at the sites of underpasses, will be elevated by up to 8 meters, so that, the existing portions, of the road stays as an under passés for wildlife including elephants.

For National Highways Authority of India

  
(R. Venkateswarlu)  
PD, PIU-Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE





## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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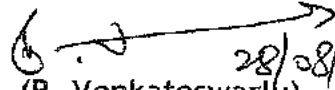
28.08.2020

### UNDERTAKING

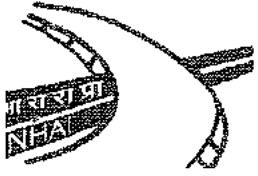
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It is to undertake that the Revised MAP in line with report submitted by RCCF, Baripada vide letter dated 16.02.2019 will be submitted by User Agency within 15 days.

For National Highways Authority of India

  
(R. Venkateswarlu)  
PD, PIU-Balasore

GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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nhaibalasore@gmail.com

28.08.2020

## UNDERTAKING

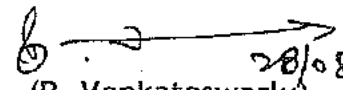
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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

## Condition No. (xi)

It is to undertake that the user agency shall execute any habitat improvement in and around all Underpasses as advised by the CWLW of the state.

For National Highways Authority of India

  
(R. Venkateswarlu)  
PD, PIU-Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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28.08.2020

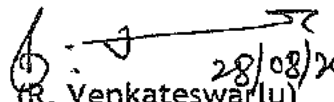
### UNDERTAKING

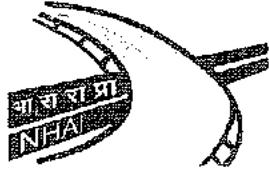
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It is to undertake that the balance amount of Rs. 2,33,52,000.00/- as per the approved Site Specific Wildlife Conservation Plan shall be deposited as per details of the bank account provided by PCCF (Wildlife) and CWLW, Odisha vide letter no 3476/1 WL(Cash)-09/2020 dated 01-05-2020.

- |                                 |   |
|---------------------------------|---|
| (i) Name of A/c Holder:         | Dy. Conservator of Forests (Admin)-cum-DDO  |
| (ii) Address:                   | O/o the PCCF (WL) & CWLW, Odisha, At Prakruti Bhawan, Plot No. 1459, Saheed Nagar, Bhubaneswar-07 |
| (iii) Type of A/C:              | Savings Bank A/c  |
| (iv) Name/ Address of the Bank: | Canara Bank, Saheed Nagar, Bhubaneswar-07   |
| (v) Account No:                 | 2487101007653   |
| (vi) IFSC Code:                 | CNRB0002487   |
| (vii) MICR Code:                | 751015004   |

For National Highways Authority of India

  
(R. Venkateswarlu)  
28/08/2020  
PD, PIU-Balasore  
GM (Tech.) & Project Co-  
National Highways Authority of India  
PIU-BALASORE



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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28.08.2020

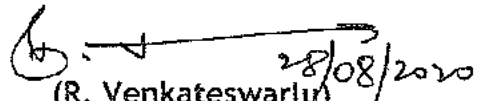
#### UNDERTAKING

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Ref: Divisional Forest Officer, Baripada letter No. 3532 dated 31.07.2020

It is to undertake that the user agency will deposit the differential amount as per the revised wage rate for recast the financial outlay of approved Site Specific Wildlife Conservation Plan.

For National Highways Authority of India

  
(R. Venkateswarlu)  
28/08/2020  
PD, PIU, Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE





## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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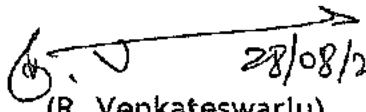
28.08.2020

#### UNDERTAKING

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It is to undertake that the user agency will furnish surveyed sketch of 178.238 ha of degraded forest land identified in four patches i.e. Karada DPF (44.843 ha), Dalimbadihi Revenue Forest (54.407 ha), Barpani (55.126 ha) and Jatia RF (23.952 ha) in Rourkela Forest Division as proposed of CA, giving the forward and backward bearing of each demarcation pillar and distance between them. The State Forest Department/User Agency shall submit the DGPS reading of each demarcated pillar giving the latitude and the longitude.

For National Highways Authority of India

  
(R. Venkateswarlu)  
PD, PIU-Balasore

GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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NHAI/11011/5/Forest/2020/PIU/BLS

28.08.2020

#### UNDERTAKING

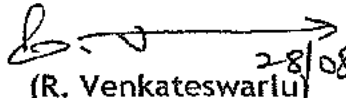
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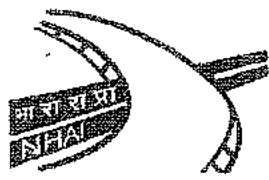
Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xxvi)

It is to undertake that LPG or alternate fuel shall be provided to laboures working at the site to avoid damage/tree felling and ensure to fuel wood use.

For National Highways Authority of India

  
(R. Venkateswarlu) 28/08/2020  
PD, PIU-Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE



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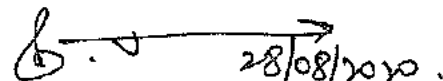
28.08.2020

#### UNDERTAKING

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It is to undertake there is no non-forest land existing between 229.000 km to 236.000 km located within buffer zone of STR.

For National Highways Authority of India

  
(R. Venkateswarlu)

PD, PIU-Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE



# Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Limited)

(A Government of Odisha Undertaking)

CIN-U02005OR1962SGC000446

OFFICE OF THE DIVISIONAL MANAGER, BARIPADA(C) DIVISION

Baripada, Mayurbhanja, Odisha, PIN-757001, Tele/Fax-06792-252272

[Website: [www.odishafdc.com](http://www.odishafdc.com) E-mail ID: [dm.baripada@odishafdc.com](mailto:dm.baripada@odishafdc.com)]



Memo No. 4311 / OFDC, Baripada, dated, 2<sup>nd</sup> Nov' 2018.

To,

The GM (Tech) & Project Director,  
NHAI, Balasore.

Sub: -

Requisition for release of fund for raising of compensatory plantation of  
Baharagora- Singara Section of NH-06

Ref: -

Your letter No. NHAI/11011 /OFDC/2018/PIU/BLS/962 dt. 1.10.2018  
Letter No. 2772 dt. 20.11.2018 of General Manager, OFDC Ltd, BBSR (C)  
Zone, Bhubaneswar,

Dear Sir,

With reference to Letter cited above on the captioned subject we submit herewith the cost estimate for raising of compensatory plantation from Baharagora-Singara Section of NH-06 of ten times of Tree felling of 22277 nos. marked trees duly approved by the General Mnager, OFDC Ltd, Bhubaneswar [C] Zone, Bhubanesware amounting to Rs. 39,61,77,577/- for raising of 109000 nos seedlings of avenue plantatin and 113770 nos seedlings of block plantation of the above project for your kind information and necessary action.

We would, therefore, request you to deposit Rs. 39,61,77,577/- ( Rupees thirty nine crore sixty one lakh seventy seven thousand five hundred seventy seven ) only in favour of the Odisha Forest Development Corporation Ltd, Account No:- 550120100000649, IFSC code No:-BKID0005501 of Bank of India, Baripada for taking necessary follow up action at our end.

Yours faithfully,

Encl:- As above ( Approved scheme)

L. No. 2272 dt. 220.11.18 of G.M.9C0 Zone, BBSR

Divisional Manager  
Baripada (C) Division.

Memo No. \_\_\_\_\_ / dt.

Copy submitted to the General Manager, OFDC Ltd, Bhubaneswar (Com) Zone, for favour of kind information and necessary action with reference to his letter No. 2772 dt. 20.11.2018.

Divisional Manager  
Baripada (C) Division.

Memo No. \_\_\_\_\_ /Date.

Copy submitted to the Managing Director, Odisha Forest Development Corporation Ltd, Bhubaneswar for favour of kind information and necessary action with reference to memo No. 2773 dt. 20.11.2018 of G.M.[C] Zone, Bhubaneswar.

Divisional Manager  
Baripada (C) Division.

Memo No. \_\_\_\_\_ / dt.

Copy submitted to the Divisional Forest Officer, Baripada/ Rairangpur/Karanja Forest Division for favour of kind information.

Divisional Manager  
Baripada (C) Division.

भा.रा.त.म., NHAI

प.स.र., बलेश्वर/PIU, Balasore

सं.सं.प. No. 3199 दि. 26/11/18

प.सं.प. No. 11011-4

को सचिव, भा

27/11/18  
Y.P.

NAME OF PLANTATION SCHEME:-BAHARAGORA-SINGARA SECTION OF NH-06

NAME OF FUNDING AGENCY:- N.H.A.I, BALASORE

No of seedlings to be planted :- 222770 nos

*Prepared by :- Divisional Manager,  
OFDC Ltd,  
Baripada [C] Division.*

Technical Approved by :- General Manager,  
OFDC Ltd,  
Bhubaneswar [C] Zone.



**THE SCHEME & ESTIMATE FOR COMPENSATORY AVENUE PLANTATION OF  
BAHARAGORA-SINGARA SECTION( JAMSOLA TO SINGARA PETROL PUMP)  
(Km 199.200 TO Km 310.806) OF NH-06 TO BE UNDER TAKEN BY  
BARIPADA [C] DIVISION.**

**CHAPTER-I**

**BRIEF DESCRIPTION OF THE PROJECT:-**

As per letter No. NHAI/11011/04/OFDC/2018/PIU/BLS-962 dt. 5.10.2018 of G.M (Tech) and Project Director, NHAI, Balasore requested for Scheme and Estimate for Rehabilitation & Upgradation of Baharagora to Singara Section of NH-06 (Km 199.200 to Km 310.806) in the State of Odisha Under NHDP Phase-IV on EPC Mode- Estimate for avenue plantation has to be submitted Rehabilitation & Upgradation of Baharagora to Singara Section of NH-06 (Km 199.200 to Km 310.806) It has been decided to take up avenue plantation for tree felling in non-forest land at the cost of User Agency through the State Govt. The felling permission in Non-forest area was obtained from Divisional Forest Officer, Baripada, Rairangpur and Karanjia as mentioned below. Out of total nos of 22277 nos marked trees 22277 trees were felled.

As per letter No. 05-ORC 344/2018-BHU dt. 27.4.2018 of the Conservator of Forest (Central) in Stage-I clearance of above mentioned Project, OFDC Ltd shall take up plantation of fruit and flower bearings trees of 10 times of nos. of trees felled from Non-forest land of the project alignment at the cost of User Agency on degraded Forest Land on both side of the road near site of diversion, if available otherwise on degraded forest land elsewhere. The estimated cost norm is prepared basing on the approved norm governed by guide lines of "National Green Highways Policies guideline 2015" along with maintenance cost of 05 years and protection measure of plants for five years including the cost of fencing & submitted for raising avenue plantation for 109000 nos of seedlings against removal of 22277 nos. of trees along 111.606 Km from (Km 199.200 to Km 310.806) in accordance with design chainage along RHS, LHS & BHS with length in meters reflected in separate sheet provided by GM (Tech) & Project Director, NHAI.

As per design chainage sheet total RHS, LHS & BHS comes to 111606 Rmts. Land development will be carried in low lying areas which are prone to water logging adjoining the road and accordingly multi Row plantations of 2 rows will be taken up where more space is available on the site of the road.

**CHAPTER-II**

**A BRIEF DESCRIPTION OF THE PROPOSED PLANTATION SCHEME:-**

**Objectives:-**

1. Build resilient ecosystems "Green Corridors" along National Highways for
  - i. Combating global warming & climate changes effects.
  - ii. Optimum GHG sequestration.
  - iii. Ex situ conservation of native RET species of the region.
2. To reduce the harmful effects of noise and air pollution.
3. To ameliorate the climatic condition of the area.
4. To develop unique green corridors with aesthetic appeal.
5. To provides shade on the glaring hot roads during the summers.
6. To reduce the soil erosion at the road embankment and slopes.
7. To reduce the harmful effects of wind and incoming UV radiation.

**SCHEDULE OF ACTIVITIES FOR ROAD SIDE PLANTATION  
SPECIES TO BE PLANTED.**

As per the condition no.-XII imposed by MOEF vide their Letter No. 5- ORC- 344/2018 BHU dt.27.04.2018 the plantation of locally regenerating fruit and flower bearing trees shall be raised on land on both sides of the road. The species have been selected to be planted in different sites depending upon the soil quality, aim and objective of the plantation and adaptability and suitability to agro-climatic regions etc. The Divisional Manager , OFDC. Ltd. Baripada will have the discretion



to choose any species on the basis of above consideration. Accordingly following species are recommended.

1. Kadamba	- Anthocephalus cadamba
2. Neem	- Azadiracta indica,
3. Panasa	- Artocarpus heterophyllus
4. Bela	- Aegle marmelos
5. Mango(Amba)	- Mangifera indica
6. Jamu	- Syzygium cumini
7. Sirish	- Albizia lebbeck.
8. Kanchan	- Bauhinia Species
9. Mahaneem	- Melia Azedarach.
10. Chhatian	- Alstonia scholaris
11. Sunari	- Casia fistula.
12. Nidrabati (Bada Chakunda)	- Samania saman
13. Sisoo	- Dalbergia sisso.
14. Karanja	- Pongamia pinnata
15. Arjuna	- Terminalia arjuna
16. Champaa	- Michelia champaca
17. Mahagoni	- Swietenia mahagoni
18. Bara	- Ficus benghalensis
19. Aswastha	- Ficus religiosa
20. Sana Chakunda	- Cassia Siamea
21. Fig	- Ficus racemosa
22. Simaruba	- Simarouba glauca
23. Mahala	- Ailanthus excelsa
24. Pateli	- Lagerstroemia speciosa
25. Anla	- Emblica officinalis
26. Harida	- Terminalia chebuala
27. Bahada	- Terminalia belerica

#### Land Development.

Since some portion of NH-06 Road from Baharagora- Singara Section is water logged, it is proposed to make continuous soil ridges of size 3 meters width and 1.3 meter height parallel to the road over 55050 Rmt in the above maintained road. The total quantity of soil required for making ridges is equal to 3 mtrs X 1.3 mtr X 55050 = 214695 cum @ Rs 90/- per cum as per annexure-22 of PCCF norm 2016 for yard earth basing of PWD schedule copy enclosed.

Particulars	Quantity of soil in cum	Rate per cum	Amount in Rupees
Cutting, diggings and piling of soil to a height of 1 meter and width of 3 meter for a length of 55050 running meters for 55050 nos seedlings & making ridges of 3 mtrs X 1.3 mtr X 55050 Rmt = 214695Rmt for taking of Multirows plantations ( 2 Rows) on the ridges.	214695cum	90/-	1,93,22,550.00

**No. of seedlings to be planted:** - 1,09,000 Nos. of seedling are to be planted in compensatory avenue plantation.

**Name of the Funding Agency:** - G.M. (Tech) and Project Director, NHAI, Balasore

**Type of seedlings:** - One year and six months old tall seedlings are to be planted.

**Nursery:** - Seedlings will be raised in nursery and will be purchased from outside in case of exigency.

### **CHAPTER -III**

#### **DELINEATION OF PROPOSED SITE OF PLANTATION**

As per Stage-I clearance of the above mentioned Road project 222770 nos of seedlings are required to be planted being the 10 times of numbers of trees to be felled with 3 meter spacing.

As per space available on both side of the above mentioned road as per design chainage provided by NHAI 1,09,000 nos seedlings will be planted. Later on depending on the availability of Non-forest land if, provided by the collector and District Magistrate Mayurbhanj or GM (Tech) and PD NHAI, Balasore, the remaining 113770 nos. of seedlings will be planted accordingly. The letters written to the above two authorities are provided in **ANNEXURE**.

### **CHAPTER-IV**

#### **FIELD UNIT RESPONSIBLE FOR PLANTATION:-**

As the project is coming under Karanjia Sub-Division, the SDM Karanjia Sub-division will implement the project. 109000 nos. of seedlings will be planted in the both sides of the road as per design chainage provided by NHAI. To ensure protection of planted seedlings for five years from biotic interference, damage by cattle and other miscreants, fencing by individual tree guard of HDPE oblong fiber net will be provided for single Row plantation & fiber square net continuous fencing will be provided in multi Row plantations. Both the SDM and concerned Field Assistants will be responsible if any short fall or irregularities is noticed.

### **CHAPTER- V.**

#### **DETAILS OF WORK SCHEDULE:-**

##### **Technical parameters:-**

1. Initially the seedlings will be developed in 8"x5" and 6"x4" poly bags for 7 to 8 months from January/Feb. till it attains the height of 1' to 1.5'.
2. Poly pots of size 10"x16"/10"x12" will be filled up with farm yard manure, sand and soil in the ratio of in 1:2 according to cost norm of nursery.
3. The filled up poly bags will be arranged in one or two rows to allow sufficient sunlight and air to each seedling.
4. 7 to 8 months old seedlings raised in small poly bags of (1' to 1.5" height) will be transplanted carefully by trimming the ball of soil and root during the month of September.
5. The transplanted seedlings are watered as per requirement and weeding will be done regularly.
6. Shifting and grading of seedlings will be carried out including the clipping of side branches of each plant to allow it to attain 5' to 6' clear height. After that, the side branches will be allowed to grow to attain a well balanced canopy.
7. Clipping off of the terminal branches is an important factor and should be done by skillful persons after which blitox should be applied or sprayed on the wounds to prevent fungus attack or dying back.
8. Application of DAP/ UREA 50 gms. @ Per plant in 5 split doses and periodical spraying of insecticides and pesticides and hormones will help in maintaining the healthy growth of the plant.
9. Stakes if required will be provided to the learning plants, but should be avoided in general to make the plant grow in a sturdy and self sustained manner.
10. The roots should not be allowed to coil and regular shifting as per requirement should be attended to.
11. The plants will be ready for planting when it attains a height of 5' to 6' in 10" x 12" or 10" x 16" poly bags in July.

#### PLANTING

1. The grown up seedlings will be loaded carefully to the truck and will be transported to the planting sites just before plantation on the onset of monsoon.
- ✓ 2. Pits of size 60cm x 60cm x 60cm will be dug either by soil excavator mechanically or by engaging man power and the excavated soil will be dumped in proportion of 1/3rd and 2/3rd on the opposite sides of pits and will be allowed to weather. The soil below the pits should be loosened to a further depth of 15cm. for smooth growth of roots
3. The pits will be refilled with 1/3rd top soil first by breaking the clods and 2/3rd of the top soil up to 75% of the pits and will be left as such till planting.
4. Well decomposed farm yard manure at the rate of 0.5 cub. ft / Bio fertilizer 60gmss. and NPK fertilizer 50gms. per plant and Chloropyrophus- 20gms. Per plant will be added to the soil 3 days before planting of the seedlings and will be watered once after thoroughly mixing with soil.
5. After 3 days, the seedlings brought from the nursery will be transplanted by carefully removing the polythene bags by blade or knife and cutting the coiled roots, if any, to allow fresh roots to come up.
6. After the planting of the seedlings the soil around the plants should be thrashed firmly to allow the plant to stand on its own and a stake preferably bamboo stake will be provided to the plant and tied at 3 places to allow the plant to stand erect.
7. As a protection measure individual tree guard (HDPE Oblong fiber net) of (0.6 mtr length x 0.6 mtr width x 1.8 mtr height) will be provided to protect the seedling with spilt bamboo poles of 1.8mt. long to support the HDPE oblong fiber net.
8. In block plantation for protection of seedlings fiber square net continuous fencing will be provided.
9. The plant will be weeded after one month to a radius of 30 Cm. of planting with application of 100 grams. Of urea and 50 grams. Of NPK fertilizer in scattered holes around it and repair of saucer trench will be done for water conservation.
10. 2<sup>nd</sup> weeding will follow the 1<sup>st</sup> weeding after two months with a radius of 0.5 mtr.
11. Soil working with a radius of 0.5 mtr. from the plant, saucer for moisture conservation and mulching with the available materials to be carried out with application of 100 gm of urea.
12. After the rainy season, the plants will be watered for 5 months @ 10 days per month by means of labourers with the help of tractor/tankers from the month of November to March.
13. Watch and ward and general maintenance will be provided for nine months in urban area for protection of plant up to March.
14. During the 2<sup>nd</sup> year 10% casualty replacement or as per actual requirement shall be carried out in the month of July with application of (Farm yard manure FYM), DAP fertilizer and Chloropyrophus.
15. The 1<sup>st</sup> weeding in the 2<sup>nd</sup> year will be carried out up to 30 Cm. radius from the plant with application of urea @ 100 gms. Or NPK fertilizer 50 gni. Per plant will be applied including the repair of saucer for conservation of water.
16. The 2<sup>nd</sup> weeding in the 2<sup>nd</sup> year within a radius of 0.5 mtr. from the plant, deep soil working and mulching with available materials will be carried out including the repair of saucer with application of urea fertilizer @ 100 gms. and NPK fertilizer @ 50 gms. per plant.
17. The plants will be maintained for a well built canopy which will be carried out by the watch and ward staff.



18. Watering will be carried out as and when necessary with the help of watch and ward staff and general maintenance will be carried out.
- ✓ 19. Weeding and pruning will be carried out in the 3<sup>rd</sup> year operation and the watch and ward will be provided for 12 months from the month of April to March.
20. The cost of plantations will be maintained within the approved norm. The Divisional Manager may change the item wise norm according to the site specification and requirement of plantation; but the expenditure will be within the norm.

#### **CHAPTER -06**

##### **Cost Structure of plantation & provision of funds**

On the basis of approved cost norm of the Head Office, this office has prepared the cost norm for 1000 saplings with five year maintenance. The same has been enclosed at **Annex -V**. The detailed cost structure of plantation, component wise has been furnished at **Annexure-VIII**

#### **CHAPTER 7**

##### **Details of proposed monitoring mechanism.**

The monitoring mechanism developed under the guideline for National Green Highways Policy 2015 will be adopted for monitoring of the plantation. In addition, the monitoring mechanism of O.F.D.C. Ltd will also be put in place for the said plantation.

#### **NATURAL CALAMITIES AND DAMAGED TO PLANTS:-**

The planted seedlings are often susceptible to cyclonic damage or uprooting which is unforeseen and beyond human control. Any damaged to the plantation occurred due to cyclone will be jointly verified by the staff of the Funding Agency and OFDC Ltd., and the loss or damage will be quantified after field verification which will be acceptable to the User Agency while handing over the plantation. In case of any damage to the plantation due to the developmental works being carried out in the area will also be brought to the notice of Funding Agency.

#### **MODE OF PAYMENT:-**

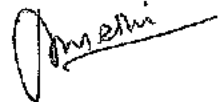
The entire funds as per accepted norm will be released in favour of the DM, OFDC Ltd., Baripada (C) Division in shape of Bank draft or through RTGS. The OFDC Ltd. will carry out the work after receipt of the total funds from the Funding Agency.

#### **REVISION OF COST:-**

The estimate has been prepared as per the current minimum wage rate Rs.280.00 (Rupees Two hundred eighty) only any escalation in labour rate as per Govt. of Odisha notification No. LL-I-III-56/18- 7368/LESI, dated 30<sup>th</sup> October, 2018 will be reflected in the revised estimate. The enhanced amount including the establishment cost and GST will be paid to the OFDC Ltd. by the Funding Agency.

#### **HANDING OVER OF THE PLANTATION:-**

The grown up plants will be handed over to the Funding Agency after 5 years of maintenance and protection with 90% survival.

  
Divisional Manager,  
Baripada (C) Division


**COST NORM FOR AVENUE PLANTATION FOR 1000 SAPLING**  
(Tall seedling plantation of one year six months old)  
Labour rate Rs.280.00

1st year operation.

Sl No	Item of works	Calendar of	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
		Operations				
1	2	3	4	5	6	7
1	Cost of sapling(1year 6 month old) including 10% casualty		No.	1100	34.83	38313
2	Alignment and stacking at 3 M spacing including clearance sites in avenue & 2.5M x 2.5 M in case of Block	April- May	M.D	15	280.00	4200
3	Excavation of pits 60cm x 60cm x 60cm in hard soil with vertical cut edges to make an uniform cubes and heaping the excavated soil outside the pits	May - June	M.D	123	280.00	34440
4	Refilling of pits with excavated soil after breaking the clods completely.	June	M.D	17	280.00	4760
5	Carriage and transport of saplings from Nursery site to plantation site over an average lead of 10Km	July	No.	1100	6	6600
6a	Cost of Fym 0.50 Cft. Per plant		Cft	500	15	7500
6b	Cost of Bio-fertilizer 600gm per plant		KG	600	20	12000
6c	Cost of NPK 100gm per plant in two doses		KG	100	24	2400
6d	Cost of chloropyriphos 20 gm per plant		KG	20	80	1600
7	Planting of sapling after carefully removing from sacks including mixing of Fym Bio-fertilizer, chloropyriphos and 50gm of NPK as basal dose per plant scooping the soil to required depth and pressing the soil around the plants.	July- Augst	M.D	50	280.00	14000
8	Cost of Manures		KG	200	6	1200
9	1st weeding around the plant to a radius of 45cm and application of fertiliser (Urea/DAP/NPK)	August	M.D	28	280.00	7840
10	2nd weeding around the plant to a radius of 45cms	Sept-Oct.	M.D	20	280.00	5600
11	Soil working around 0.5 Mt radius & application of Fertiliser, Moisture & conservation& Mulching	Sept-Oct.	M.D	32	280.00	8960
12	Watering for 5months 10days per month from November to March including cost of water, labour and transportation through tractor/Tanker.	Nov-March	No.	1000	60	60000
13	Watch & ward for 9 months from july to March 270days	July-Mar.	M.D	140	280.00	39200
14	Contingency		No.	1000	0.455	455
	<b>TOTAL</b>					<b>249068</b>

Cost per plant@249.06

Cost for 222770 nos seedlings Rs 5,54,83,096/-

  
**Sub-Divisional Manager**  
**O.F.D.C. Ltd.**  
**Karanjia (C) Sub-Division**

## 2nd year Maintenance

No	Item of works	Calendar of Operations	Unit	Qty	Rate(Rs.)	Amount(Rs.)
	2		3	4	5	6
1	Cost of sapling 1 year & 6 months old for casualty replacement (10%)		No.	100	34.83	3483
2	Carriage and transport of sapling from nursery to plantation site over an average lead of 10 kms	July	No.	100	6	600
3	Replacement of casualty after reopening the plantation and planting of sapling 100 nos	July-August.	M.D	10	280.00	2800
4	Cost of DAP & CDM including transportation to be applied to 100 plants of 1.6 year old seedlings		KG	75	12	900
5	Cost of Urea 200 gms per plant		KG	200	6	1200
6	Cost of NPK 75gms per plant per 1000 plants		KG			1430
7	Cost of Chloropyrifos dust cost of Granular/Insecticides.		KG	1	80	80
8	Weeding around this plant to a radius of 0.5 mtr application of fertiliser	August	M.D	24	280.00	6720
9	2nd Weeding around this plant to a radius of 0.5 mtr application of fertiliser	Oct-Nov	M.D	16	280.00	4480
10	Soil working around 0.5 mtr application of Moisture conservation & mulching.	Augst-Sept.	M.D	24	280.00	6720
11	Watering for 8 months 4 days per month in cost of water, labour and transportation by tractor / tanker (April to June & Nov to March)	Apr-Jun & Nov-March	No.	1000	48	48000
12	Watch & ward for 12 months	April - March	M.D	180	280.00	50400
13	Contingency Exp		No.	1000	0.914	914
	<b>TOTAL</b>					<b>127727.00</b>

Cost per plant@127.72

Cost for 222770 nos seedling Rs 2,84,52,184.00

## 3rd year Maintenance

No	Item of works	Calendar of Operations	Unit	Qty	Rate(Rs.)	Amount(Rs.)
	2		3	4	5	6
1	Weeding / pruning	Sept-Oct.	M.D	20	280.00	5600
2	Watch & ward for 12 months	April - March	M.D	180	280.00	50400
3	Watering for 8 months 4 days per month in cost of water, labour and transportation by tractor / tanker (April to June & Nov to March)	Apr-Jun & Nov-March	No.	1000	48	48000
4	Contingency		No	1000	0.466	466
	<b>Total</b>					<b>104466</b>

Cost per plant@104.46

Cost for 222770 nos seedling Rs 2,32,70,554.00

Sub-Divisional Manager  
O.F.D.C. Ltd.  
Karanja (C) Sub-Division



# 4th year Maintenance

No	Item of works	Calendar of Operations	Unit	Qty	Rate(Rs.)	Amount(Rs.)
	2		3	4	5	6
	Weedding & pruning	Sept Oct.	M.D	20	280.00	5600
	Watch & ward for 12 months	April - March	M.D	180	280.00	50400
	Watering for 8 months 4 days per month in cost of water, labour and transportation th tractor / tanker(April to june & Nov to Mar	Apr-Jun & Nov-March	No.	1000	48	48000
	Contigecy		No	1000	0.466	466
	Total					104466

Cost per plant@ 104.46

Cost for 222770 nos seedling Ra 2,32,70,554.00

5th year maintenance

No	Item of works	Calendar of Operations	Unit	Qty	Rate(Rs.)	Amount(Rs.)
	2		3	4	5	6
1	Weedding & pruning	Sept-Oct.	M.D	20	280.00	5600
1	Watch & ward for 12 months	April - March	M.D	180	280.00	50400
2	Watering for 8 months 4 days per month in cost of water, labour and transportation th tractor / tanker(April to june & Nov to Mar	Apr-Jun & Nov-March	No.	1000	48	48000
3	Contigecy		No	1000	0.466	466
4	Total					104466

Cost per plant@ 104.46

Cost for 222770 nos seedling Ra 2,32,70,554.00

Sub-Divisional Manager,  
O.F.D.C. Ltd.  
Karanjia (C) Sub-Division

DIVISIONAL MANAGER  
Nigta Forest Development Co. Ltd.  
Baripada (C) Division

# ABSTRACT

Abstract of 222770 nos of seedling of Baharagora-Singara Section of NH-06(49)

No	Particulars	No of seedling	Cost per plant	Operational cost	Estt. Cost @15%	Total
1	1st Year Operation	222770	249.06	55483096.00	8322464.00	63805560.00
2	2nd Year Maaintainance	222770	127.72	28452184.00	4267828.00	32720012.00
3	3rd Year Maaintainance	222770	104.46	23270554.00	3490583.00	26761137.00
4	4th Year Maaintainance	222770	104.46	23270554.00	3490583.00	26761137.00
5	5th Year Maaintainance	222770	104.46	23270554.00	3490583.00	26761137.00
	<b>Total</b>					<b>176808983.00</b>
6	Land development for 1st year operation for 214695 cum for Fencing (Individual Tree Guard HDPE oblong fiber net 31411 seedling for		90.00	19322550	2898383.00	22220933.00
7	avenue platation	31411	298.00	9360478.00	1404072.00	10764550.00
7a	2nd Year Maaintainance	31411	10.00	314110.00	47117.00	361227.00
7b	3rd Year Maaintainance	31411	10.00	314110.00	47117.00	361227.00
						<b>11487004.00</b>
8	Contineous fencing with fiber net for 233030 Rmt for 77589 nos seedling for avenue & 71140 rmt for 113770 nos block plantation	191359	288.00	87600960	13140144.00	100741104.00
a	2nd Year Maaintainance	191359	30.00	9125100	1368765.00	10493865.00
b	3rd Year Maaintainance	191359	40.00	12166800	1825020.00	13991820.00
						<b>125226789.00</b>
	<b>TOTAL Expr</b>					<b>335743709.00</b>
	<b>GST @18%</b>					<b>60433868.00</b>
	<b>G.TOTAL</b>				<b>Rs</b>	<b>396177577.00</b>

Sub-Divisional Manager  
O.F.D.C. Ltd.  
Karanjia (C) Sub-Division

Divisional Manager  
Baripada (C) Division

Total Sanction amount  
for Rs 39,61,77,577 = 00

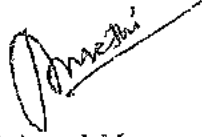
General Manager  
O.F.D.C. Ltd.  
Bhubaneswar (C) Zone

**Annexure-**

**Land Development:-**

Since the land along the both side of the NH-06 Road from Baharagora - Singara is mostly water logged it is proposed to make continuous ridges of 3 meters width and 3 meter height parallel to the road both side over 214695 RMTS in the above mentioned road. Cleaning the site, Cutting of soil to a width of 6 mtr length of 55050 rmt to height 1 mtr, stacking the excavated soil to a width of 6 mtr, height of 1 meter & compressing the soil and leveling the top of soil both of the side, diggings and piling of soil to a height of 1 meter and width of 6 meter for a length of 55050 running meters. The total quantity of soil required for making ridges is equal to 3 mtrs X 3 mtr X 55050 = 214695 cum @ 90/- per cum as per annexure-22 of PCCF norm 2016 for yard earth basing of PWD schedule copy enclosed.

Particulars	Quantity of soil in cum	Rate per cum	Amount in Rupees
Cutting diggings and piling of soil to a height of 1 meter and width of 6 meter for a length of 55,050 running meters for 34,515 nos. seedlings & making ridges of 3 mtrs X 3 mtr X 55050 Rmt for taking of multi rows plantations ( 2 Rows) on the ridges.	214695 cum	90/-	₹,93,22,550/-

  
Divisional Manager,  
Baripada (C) Division.

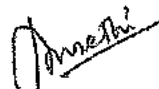


**COST NORM OF INDIVISUAL TREE GUARD (HDPE OBLONG FIBRE NET)  
AS PER PCCF NORM 2016 (ANNEXURE-26)  
(0.6 mtr. X 0.6 mtr width x 1.8 mtr height)**

Sl. No.	Item/ Description	Man days	Labour cost (Rs.)	Materials cost (RS.)	Total cost (Rs.)
1	2	3	4	5	6
1	Cost of Bamboo frame with reinforcement at top	0	0	50	50
2	Cost of HDPE oblong fibre net tree	0	0	200	200
3	Cost of wire & nails, fixing each gabion including digging of 4 holes and application of anti-termite mixture ( Sand and Chloropyrius)	0	0	10	10
4	Cost of treatment of Bamboo Poles and reinforcement with split bamboo at top	0	0	10	10
5	Labour cost	0.1	28	0	28
	<b>Grand Total</b>	<b>0.1</b>	<b>28</b>	<b>270</b>	<b>298</b>
	Maintanance of 2nd year Rs.10/- per sapling				10
	Maintanance of 3rd year Rs.10/- per sapling				10

**ABSTRACT FOR FENCIING FOR 31411 NOS SEEDLINGS FOR INDIVISUAL TREE GUARD FEBRE NET**

Particular	Nos of seedling	Rate	Amount
1st year fencing with individual Tree guard HDPF Oblong Febre Net	31411	298	9360478
2 2nd fencing maintenance	31411	10	314110
3 3rd year Fencing Maintenance	31411	10	314110
<b>Total</b>			<b>9988698</b>

  
Divisional Manager,  
Baripada [C] Division.

**ESTIMATE FOR FIBRE SQUARE NET CONTINUOUS FENCING FOR MULTI ROW AVENUE PLANTATION (UNIT-10 RMT) AS PER PCCF NORM 2016 ANNEXURE-24.**

Sl. No.	Item/ Description	Man days	Labour cost	Materials cost (RS.)	Total cost (Rs.)
1	2	3	4	5	6
1	Cost of bamboo	0	0	125	125
2	Cost of flat Fencing square net of 2 mtr. height @ Rs 140/- per sq. mtr.	0	0	2100	2100
3	Cost of Spilt Bamboo cross bars of 30 m.	0	0	75	75
4	Binding G.I wire 200ft. @ 20 ft. wire per RMT of fence @ Rs.0.50 per ft.	0	0	100	100
5	Cost of bamboo treatment over 10 RMT.	0	0	100	100
6	Cost of Sand & Chloropyriphos	0	0	100	100
7	Labour cost	1	280	0	280
	Digging burrow pit of 10m long X 0.15m wide x 0.23m deep, construction and fixing the fence. Application of mixture of sand (7 cft) and Chloropyriphos (5mg) at the base for protection against termites.				
	<b>GRAND TOTAL (Planting year)</b>	<b>1</b>	<b>280</b>	<b>2600</b>	<b>2880</b>

**Cost per RMT.- Rs. 288/-**

Cost per 191359 seedlings Rs 8,76,00,960/-

**ESTIMATE FOR FENCING FOR 2ND YEAR**

Cost of repair and maintenance of fencing in 2nd year per RMT				<b>30</b>
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**Cost per 191359 seedlings in 2nd year Rs 91,25,100/-**

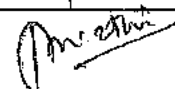
**ESTIMATE FOR FENCING FOR 3RD YEAR**

Cost of repair and maintenance of fencing in 3rd year per RMT				<b>40</b>
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**Cost per 191359 seedlings in 3rd year Rs 1,21,66,800/-**

**ABSTRACT OF CONTINUOUS FENCING FOR 191359 SEEDLINGS**

Sl	Particular	Nos of seedlings	Rate	Amount
1	1st year fencing with continuous 304170 Rmt for 191359 seedlings	191359	280	87600960
2	2nd year maintenance of fence over 304170 rmt	191359	30	9125100
3	3rd year maintenance of fence over 304170 Rmt	191359	40	12166800
	<b>Total continuous fencing cost</b>			<b>108892860</b>

  
 Divisional Manager  
 Baripada (C) Division.



Telephone: 0674-2301213, 2301248, 2302452, 2302453. Fax: 0674-2302432. E-mail: [eeo@bse-me.nic.in](mailto:eeo@bse-me.nic.in)

No. 5-ORA313/2017-BHU

12<sup>th</sup> September, 2017

To

The Principal Secretary,  
Forest & Environment Deptt.,  
Govt. of Odisha,  
Bhubaneswar.

Subj:-

Diversion of 67.309 ha (originally 85.104 ha of forest land proposed) of forest land for Rehabilitation and up-gradation, (from existing 2 lane to 4 lane) from Baharagora (Jharkhand State) to Singara Section (199.200 Km to 310.806 Km) (within total stretch of 111.606 Km) of NH-6 in the districts of Mayurbhanj in State of Odisha under NHDP Phase-IV-B on Engineering, Procurement and Construction (EPC) mode.

Sir,

I am directed to refer to State Govt. letter No.10F(Cons)123/2016-6910/F&E dated 05.04.2017, No.9923/F&E dated 12.05.2017 and No.16313/F&E dated 03.08.2017 on the above mentioned subject seeking prior approval of the Ministry of Environment, Forest & Climate Change under section 2 of Forest (Conservation) Act, 1980.

2. After due consideration of the proposal of the State Government and on the basis of decision of Regional Empowered Committee meeting held on 05.09.2017, the Ministry of Environment, Forest & Climate Change hereby conveys "in-principle" approval for diversion of 67.309 ha (originally 85.104 ha of forest land proposed) of forest land for Rehabilitation and up-gradation, (from existing 2 lane to 4 lane) from Baharagora (Jharkhand State) to Singara Section (199.200 Km to 310.806 Km) (within total stretch of 111.606 Km) of NH-6 in the districts of Mayurbhanj in State of Odisha under NHDP Phase-IV-B on Engineering, Procurement and Construction (EPC) mode, subject to the fulfillment of the following conditions.

- (i) Legal status of forest land proposed for diversion shall remain unchanged.
- (ii) The State Govt. shall charge the Net Present Value (NPV) of forest area proposed to be diverted under this proposal from the user agency as per the Orders of 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. While conveying the compliance of this condition, mention be made of the Eco-class and density of forest for which NPV has been charged.
- (iii) At the time of payment of the Net Present Value (NPV) at the present 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.
- (iv) Compensatory afforestation over 178.323 ha of degraded forest land identified in four blocks i.e. / mode: DPH (44.843 ha), Dalmibidhi Revenue Forest (54.407 ha), Buphal (13.123 ha) and RPF (23.932 ha) in Roarata Forest Division against the area of forest land proposed to be diverted shall be raised and maintained by the State Forest Department at the cost of the user agency.
- (v) The State Govt. has proposed plantation of 35,656 number of trees over 178.323 ha of degraded forest land. However, 67,309 number of trees @ 1000 trees per ha have to be planted against diversion of 67.309 ha of forest land. Hence, the State Govt. shall identify additional degraded forest land and submit the location of area and shape file for plantation of balance 31,643 number trees before issue of Stage II approval.

Contd...2

*[Signature]*



- (xviii) The State Forest Department/UA shall submit the surveyed sketch of 178,238 ha of degraded forest land identified in four patches i.e. Karada DEF (44,843 ha), Dalimbadi Revenue Forest (54,407 ha), Barpani (55,126 ha) and Jatia RF (23,952 ha) in Rourkela Forest Division as proposed for CA, giving the forward and backward bearing of each demarcation pillar and distance between them. The State Forest Department/User Agency shall submit the DGPS reading of each demarcated pillar, giving the latitude and the longitude.
- (xix) The C.A. Scheme submitted, need revision, locally regenerating tree species to be planted and soil moisture conservation measures to be taken up one year prior to planting, accordingly the revised C.A. scheme to be produced.
- (xx) In case the widening of the road is to be done in areas already having adequate clearance, trees shall not be cut. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.
- (xxi) The designing of culverts/bridges, if any, over the natural streams/ rivers/canals should be done in such a manner that it does not hamper the natural course of water, does not give rise to water-logging, and also does not hamper movement of wild animals.
- (xxii) The user agency shall use fly ash for the road construction and for filling up of void created due to soil borrows which will be followed by compaction and spreading of top soil over it as per Fly Ash Notification No. S.O. 254 (E), dated 25.01.2016.
- (xxiii) The user agency shall submit an undertaking to ensure that flanks of roads should be filled by transported soil and not with soil dug from the side of the roads.
- (xxiv) No additional or new path will be constructed inside the forest area for any activity related to the project work.
- (xxv) No labour camp shall be allowed in the forest area.
- (xxvi) The user agency shall provide LPG or alternate fuel, to labourers working at the site to avoid damage/tree felling and ensure no fuelwood use.
- (xxvii) The user agency while executing works, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.
- (xxviii) 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 user agency, department or person without the prior approval of Ministry of Environment, Forest & Climate Change.
- (xxix) The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.
- (xxx) The State Government shall complete settlement of rights, in term of the Scheduled Tribes and 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 05.02.2013 and 05.07.2013, in support thereof.
- (xxxi) Any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, which shall be complied by the user agency.
- (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.

Contd...4

# 4 #

3. After receipt of the report on compliance to the conditions stipulated above, from the State Government of Odisha, final/Stage-II approval for diversion of the said forest land under Section 2 of Forest (Conservation) Act, 1980 will be issued by this Ministry. Transfer of forest land to user agency should not be effected by the State Government of Odisha till final/Stage-II approval for its diversion is issued by the Ministry of Environment, Forest & Climate Change. However, the State Govt., if it so desires, may allow the user agency for commencement of work as per Ministry guideline issued vide letter No.11-306/2014-FC (pt.) dated 28.08.2015.

Yours faithfully,

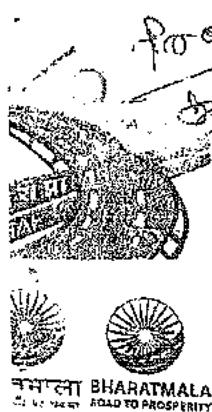
(S. Mohapatra)

Conservator of Forests (Central)

Copy to:-

1. The Director, ROHQ, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Agni Block, Aliganj, Jor Bagh Road, New Delhi - 110 003.
2. The Principal Chief Conservator of Forests, Forest Department, Govt. of Odisha, Aranya Bhawan, Chandrasekharpur, Bhubaneswar-751023.
3. The Project Director, National Highway Authority of India, Project Implementation Unit, O.T. Road, Near White House Clinic, Balasore-1, Odisha.
4. Guard file.

Conservator of Forests (Central)



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

**National Highways Authority of India**  
(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta  
Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263368

ई-मेल / e-mail: piubalasore@nhai.org

nhai.balasore@gmail.com

NAHI/11011/4/OFDC/2018/PIU/BLS/ 962

To

The Divisional Manager

Orissa Forest Development Corporation Limited

Baripada (Com.) Division

Mayurbhanj, Baripada

**Subject:** Rehabilitation and Upgradation of Baharagora to Singhara Section of NH-6  
(Km 199.200 to Km 310.806) in the State of Odisha under NHDP Phase-IV on  
EPC Mode - Estimate for Avenue Plantation - reg.

- Ref.:**
1. Govt. of Odisha, F&F Department letter no. 22573100242017/No. 10F (Cons) 12/2017 13245/F&F, Bhubaneswar dated 11.06.2018.
  2. Stage-I clearance Conveyed by Conservator of Forest (Central), MOEF, vide letter no ORA313/2017-BHU Dated 12.09.2017
  3. Tree Felling permission in Non-Forest Stretches conveyed by RCCF, Baripada vide Memo No 3752/ 3F-38/2016 dated 28<sup>th</sup> Dec'2016.

Sir,

With reference to the subject & letter cited above, wherein while conveying the permission for felling of trees under non-forest area for Rehabilitation and Up gradation of Baharagora to Singhara Section of NH-6 (Km 199.200 to Km 310.806), it has been directed to take up avenue plantation for tree felling in Non-Forest Land at the cost of User Agency through State Govt. Tree felling permission in Non-Forest area have been obtained from DFO-Baripada, Rairangpur & Karanja as mentioned below

NH-06 Tree Felling in Non-Forest Stretch			
Sl No.	Name of the Forest Range	Name of Forest Division	Total trees to be felled
1	Bangriposi	Baripada	3803 ✓
2	Bisoi	Rairangpur	8348
3	Manada		3983
4	Dudhiyani	Karanja	1835 ✓
5	Gurguria		3932
6	Karanja		376 ✓
Total (In Nos)			22277

(2)

Now, as per decision taken during review meeting held on 12-04-2018 under the Chairmanship of Chief Secretary, Odisha as communicated vide F&F office cited at sl. no. 1 above, it has been decided that the avenue plantation @ 10 times of the trees to be felled is to be taken up OFDC only.

In view of above, it is requested to submit the detailed estimates for avenue plantation as per latest guidelines for the above stretch.

Yours faithfully,

  
(P. Nageswara Rao)  
GM (Tech.) & PD  
11/10/18

Copy to:

1. CGM (Tech) & RO-Odisha, 301-A, 3<sup>rd</sup> Floor, Pal Heights, Plot No. J/7, Jayadev Vihar, Bhubaneswar, for kind information and necessary action.
2. Divisional Forest Officer, Baripada/Rairangpur/Karanjia, for information.



# Odisha Forest Development Corporation Limited

(Formerly Orissa Forest Development Corporation Limited)

(A Government of Odisha Undertaking)

CIN-UO2005OR1962SGC000446

**OFFICE OF THE DIVISIONAL MANAGER, BARIPADA(C) DIVISION**

Baripada, Mayurbhanja, Odisha, PIN-757001, Tele/Fax-06792-252272

[Website: [www.odishafdc.com](http://www.odishafdc.com) E-mail ID: [dm.baripada@odishafdc.com](mailto:dm.baripada@odishafdc.com)]

No. \_\_\_\_\_/OFDC, Dated, Baripada, the Feb'19

To,

The Managing Director,  
OFDC Ltd, Bhubaneswar.

Sub:- Deposit of funds by GM (Tech) & P.D. NHAI, Balasore funds for raising of compensatory plantation of Baharagora-Singara Section along NH-06

Sir,

We would like to intimate that an amount Rs 35,51,57,640/- (Rupees thirty five crore fifty one lakh fifty seven thousand six hundred forty) only has been received from the G.M.(Tech) & Project Director, NHAI, Balasore for compensatory a plantation of 2,22,770 nos. seedlings( i.e. 1,09,000 avenue and 1,13,770 block plantation) against tree felling project of Baharagora-Singara Section along NH-06 after deducting land development operation, 2% TDS and 1% GST SGST and 1% (GST) CGST. The said amount has been deposited in OFDC Ltd, revenue Account No-II 55012010000649 of Bank of India, Baripada on 11.02.2019 through RTGS and transferred to Central account on dt.15.02.2019.

The details of working cost/ Establishment cost of the above fund are furnished below for favour of kind information and necessary action.

Name of the project/ Agency.	Approved estimate	Funds released by User Agency after deducting Land Dev. Operation and 2% TDS and 2% GST on TDS( i.e.1%SGST & 1% CGST)
Compensatory plantation of 222770 seedlings against tree felling project of Bahagora-Singara Section along NH-06	Operational cost Rs 27,26,28,500.00 Land dev. Rs 1,93,22,550.00 Total Rs 29,19,51,050.00 Estt. Cost @ 15%Rs 4,37,92,658.00 Total op. Expr Rs 33,57,43,708.00 GST @ 9%SGST Rs 3,02,16,934.00 GST @ 9%CGST Rs 3,02,16,934.00 G.Total Rs 39,61,77,576.00	Total operational costRs 27,26,28,500.00 Estt. Cost @ 15%Rs 4,08,93,428.00 Total Operational ExprRs 31,35,21,928.00 (+)GST @9% SGST Rs 2,82,16,974.00 (+)GST @9%CGST Rs 2,82,16,974.00 G.Total Rs 36,99,55,876.00 (-) 2% TDS Rs 73,99,118.00 (-) 1% TDS(GST) SGST Rs 36,99,559.00 (-) 1% TDS(GST) CGST Rs 36,99,559.00 Net amount Rs 35,51,57,640.00

Yours faithfully,

Encl. - Bank transfer statement.

*[Signature]*  
Divisional Manager,  
Baripada (C) Division

RECEIVED, NHAI  
C.S.E., Balasore/PIO, Balasore  
Date: 28/2/19 No. 646-28/2/19  
28/2/19 No. 11011-4  
[Stamp]

28/2/19  
SKD

Memo No. \_\_\_\_\_/Dated,

Copy submitted to the General Manager, OFDC Ltd, Bhubaneswar  
[C] Zone for favour of kind information and necessary action with reference to his  
letter No. 2772 dt. 20.11.2018.

*Musethi*  
Divisional Manager,  
Baripada (C) Division

✓ Memo No. 732 / dt. 21/2/19

Copy along with Original MRT NO.BARIRV 401 dt. 14.02.2019 for Rs 35,51,57,640/- submitted to the G.M.(Tech) & P.D. NHAI, Balasore for favour of kind information and necessary action. Further we would inform you that the excess amount deducted on the above project towards 2% TDS, TDS (GST) SGST 1% and TDS (GST) CGST 1% on the total amount including GST of Rs 36,99,55,876.00 instead of total working cost excluding GST of Rs 31,35,21,928.00. The detail differential amount is furnished below for your ready reference.

Sl No.	Particular	Amount due excluding land dev. Cost.	Amount released	Balance amount to be released
1	Operational cost	27,26,28,500.00	27,26,28,500.00	
2	Estt. Cost @ 15%	4,08,94,275.00	4,08,93,428.00	
3	Total amount	31,35,22,775.00	31,35,21,928.00	
4	GST @18%	5,64,34,100.00	5,64,33,948.00	
5	Total	36,99,56,875.00	36,99,55,876.00	
6	(-) TDS 2% on (313522775/-)	62,70,456.00	73,99,118.00	
7	(-) GST TDS 1% (SGST) on (313522775/-)	31,35,228.00	36,99,559.00	
8	(-) GST TDS 1% (CGST) on (313522775/-)	31,35,228.00	36,99,559.00	
9	Net amount due	35,74,15,963.00	35,51,57,640.00	22,58,323.00

Therefore, we would request you to kindly release the differential amount of Rs 22,58,323/- (Rupees twenty two lakh fifty eight thousand three hundred twenty three) only of the above project at an early date.

An early action in this matter is highly solicited.

*Musethi*  
Divisional Manager,  
Baripada (C) Division.

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुंटा, बालेश्वर - ७५६००१ (ओडिशा)

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nhaibalasore@gmail.com

NHAI/11011/5/Forest/2020/PIU/BLS/ 110

06 Feb 2020

To

**The Field Director,**

Similipal Tiger Reserve-cum-Regional CCF,

Baripada Forest Division,

Baripada

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - **Submission of compliance report on Stage-1 approval - reg.**

Ref.: 1. Your Memo No. 551/3F-19/2019 dated 06 Feb 2020

2. This office letter No. 1442 dated 02 Jan 2020

Sir,

Please refer to your letter cited under ref. (1), wherein it has requested to send a copy of the proof of deposit along-with relevant documents for revised Compensatory Afforestation Scheme at the wage rate Rs. 298/- man day of the aforesaid project amounting to Rs. 2,57,76,900 /-.

In this regard, the details of demand and the amount deposited by the User Agency i.e. PD-Balasore is submitted as below;

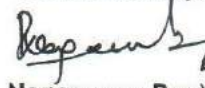
Sl No.	Details of Demand	Demand Amount	Deposit Amount	Details of Deposit
1.	DFO Baripada vide letter no. 640 dated 19 February 2018	Rs.1,73,63,300/-	Rs.1,73,63,300/-	RTGS vide UTR No.SYNBR92018226 00172080 dated 26-Feb-2018
2.	DFO, Rourkela vide letter no. 3818 dated 27 June 2019	Rs. 54,69,200/-	Rs. 54,69,200/-	RTGS vide UTR No.SYNBR92019070 900094387 dated 09-July-2019
3.	DFO, Rourkela vide letter no. 7117 dated 13 Dec 2019	Rs. 13,44,400 /-	Rs. 13,44,400 /-	RTGS vide UTR No.SYNBR52019123 050969666 dated 30-Dec-2019
Total		Rs.2,41,76,900/-	Rs.2,41,76,900/-	

1. The balance amount i.e. Rs. 16,00,000 /- (Rs. 2,57,76,900 - Rs.2,41,76,900 ) for the vehicle to be provided for the approved CA Scheme has not been deposited as proper demand for the same has not been raised by the concerned department.
2. It is worth mentioning that DFO Rourkela vide letter no. 7117 dated 13 Dec 2019 has already confirmed that Rs. 2,28,32,500/- has been already deposited by this office and the balance amount of Rs. Rs.13,44,400 /- to be paid for revised Compensatory Afforestation Scheme at the wage rate Rs. 298/- man day. The same was already deposited vide Cheque No. 621624 dated 30-Dec-2019 by this office as stated above.

This is for your information and further necessary action.

Encl.: As above.

Yours faithfully,

 6/2/2020.

(P. Nageswara Rao)

GM (Tech.) & Project Director

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for information.
2. Regional Chief Conservator of Forests, Rourkela Circle for kind information and necessary action.
3. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.
4. Divisional Forest Officer, Rourkela Forest Division, Sundergarh, Odisha for information.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

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nhaibalasore@gmail.com



NHAI/11011/5/Forest/2020/PIU/BLS/ 1442

02 Jan 2020

To

The Divisional Forest Officer,

Baripada Forest Division,

Baripada

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - **Submission of compliance report on Stage-1 approval - reg.**

Sir,

In inviting a kind reference to the letter cited above, please refer to the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change wherein "in-principle" approval for diversion of 67.309 ha. (originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation, (from existing 2-lane to 4-lane) from Baharagora (Jharkhand State) to Singara Section (km.199.200 to km.310.806) (within total stretch of 111.606 km.) of NH-6 in the District of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode has been conveyed subject to the fulfillment of the certain conditions and requested to submit the required demand as per above. Requisite demands have already been deposited.

Further, it is worth mentioning that DFO Baripada has requested vide letter no. 640 dated 19 February 2018 to make payment in CAF for an amount of Rs. 1,73,63,300/- as per the financial outlay for Compensatory Afforestation over 178.328 Ha. of Degraded Forest Land identified in Karada DPF, Dalimbadihi Revenue Forest, Barapani and Jatia RF under Banki & Biramitrapur Range under Rourkela Forest Division as approved by the Additional PCCF, Forest Diversion and Nodal Officer based on wage rate @213.50/- manday and this office has released the same vide cheque no. 409301 dated 26 February 2018. Accordingly, an amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR9201822600172080 dated 26-Feb-2018.

Further, PCCF, Forest Diversion & Nodal Officer vide letter No. 5172 dated 16-03-2019 has directed RCCF, Baripada to revise the wage rate from Rs.213.5 per manday to Rs.280/- per manday. Accordingly, RCCF, Baripada has requested to RCCF, Rourkela




to instruct DFO, Rourkela to submit the revised CA Scheme as per latest wage rate @ Rs.280/- per manday for compliance of Stage-I approval. Accordingly, an amount of Rs. 54,69,200/- /-(Rs.2,28,32,500/- - Rs.1,73,63,300/-) towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR92019070900094387 dated 09-July-2019.

Further, the amount was again revised to Rs. 298/manday by PCCF, Forest Diversion & Nodal Officer and the differential amount of Rs.13,44,400 /- (Rs.2,41,76,900/- - Rs. 2,28,32,500/-) was again revised by DFO, Rourkela vide letter no. 7117 dated 13 Dec 2019 towards the revised CA scheme for 178.328 ha.

The demand has been uploaded in Forest Department Portal for accordance of necessary approval of Nodal Officer. After approval of Nodal Office, an amount of Rs. 13,44,400 /- has been deposited through RTGS mode of money transfer vide Cheque No. 264302 dated ~~09 July 2019~~ <sup>30 Dec 2019</sup> (UTR No.SYNBR52019123050969666). Copy of challan is enclosed for your reference.

In view of above, it is requested to issue Stage-II Clearance in this regard.

Yours faithfully,

  
2/1/2020

(P. Nageswara Rao)

GM (Tech.) & Project Director

Encl.: As above.

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for information.
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for information and necessary action.
3. Regional Chief Conservator of Forests, Rourkela Circle for kind information and necessary action.
4. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.
5. Divisional Forest Officer, Rourkela Forest Division, Sundergarh, Odisha for information and necessary action.



बलसोर सहादेवकुता शाखा, बलसोर सहादेवकुता - 756001 (उड़ीसा)  
BALASORE-SAHADDEVKUNTA BRANCH  
BALASORE - 756001 ODISHA  
IFS Code : SYNB0007278

Valid for 3 Months only

3	0	1	2	2	0	1	9
D	D	M	M	Y	Y	Y	Y

(CBS)

Pay Y/s RTGS to ORRISA CAMPA

या धारक को Or Bearer

रुपये Rupees Thirteen Lacs Forty Four Thousand Four Hundred

Only. 4 ₹ 13,44,400/-

अदा करें।

A/c No. 80102200065615

Valid for 3 Months Only



SAN: 555010621624

बैंक के सभी शाखाओं में सममूल्य पर प्रदेय  
Payable at par at all branches of our Bank  
NATIONAL HIGHWAY AUTHORITY OF INDIA

Dash Dey

Please sign above

⑈621624⑈ 756025003⑈ 555010⑈ 3⑈

## AGENCY COPY

## NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 24-12-2019

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550842
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	1344400/-

Amount in Words :Thirteen Lakh Forty-Four Thousand Four  
Hundred Rupees Only

**NEFT/RTGS to be made as per following  
details;**

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550842 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making  
payment to CAMPA by NEFT/RTGS only
- This challan is valid only for seven days.

## BANK COPY

## NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 24-12-2019

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550842
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
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Amount(in Rs)	1344400/-

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After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskcampa@corpbank.co.in](mailto:helpdeskcampa@corpbank.co.in)

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nhai Balasore &lt;nhaibalasore@gmail.com&gt;

## Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

monitoring-fc@nic.in &lt;monitoring-fc@nic.in&gt;

Tue, Dec 24, 2019 at 1:01 PM

To: nhaibalasore@gmail.com

Cc: monitoring-fc@nic.in

This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.

### Proposal Detail

1. Proposal No.	: FP/OR/ROAD/17550/2016
2. Proposal Name	: REHABILITATION AND UPGRADATION OF NH-6 PACKAGE-1 BAHARGORA TO SINGARA (KM 199.200 TO KM 310.806) SECTION OF NH-6 IN THE STATE OF ORISSA
3. Category of the Proposal	: Road
4. Date of In-principle	: 14/01/2016
5. Name of the Applicant with Contact Details	
Name	: NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Mobile No.	: 9437037066
Email ID	: nhaibalasore@gmail.com
State	: Orissa
District	: Balasore
Pincode	: 756001

### Funds Demand Details

1. Compensatory Afforestation	: Rs. 1344400/-
2. Additional Compensatory Afforestation	: Rs. 0/-
3. Penal Compensatory Afforestation	: Rs. 0/-
4. Catchment Area Treatment	: Rs. 0/-
5. Safety Zone	: Rs. 0/-
6. Additional Charges for protected area	: Rs. 0/-
7. Net Present Value (NPV)	: Rs. 0/-
8. Other Charges	: Rs.0/-
9. Other Charges1	: Rs.0/-
10. Other Charges2	: Rs.0/-
11. Other Charges3	: Rs.0/-

<b>Total Amount</b>	<b>: Rs. 1344400/-</b>
---------------------	------------------------

User Agency is requested to make above mentioned payment after generating challan through the system.

(System Administrator)

\*\*\* This is a system generated email, please do not reply. \*\*\*



ବନଶକ୍ତ ଅଧିକାରୀ ତଥା ବନପ୍ରାଣୀ ତତ୍ତ୍ୱାବଧାନକର୍ତ୍ତା କାର୍ଯ୍ୟାଳୟ, ରାଉରକେଲା  
 OFFICE OF THE DIVISIONAL FOREST OFFICER CUM WILDLIFE WARDEN  
 ROURKELA FOREST DIVISION, ROURKELA, SUNDARGARH, ODISHA  
 Phone No. 0661-2664637, Fax No. 0661-2664638, e mail- dforourkela.od@gov.in

Letter No. 7117..... Dt. 13.12.19

To

The Project Director (NHA)  
 Project Implementation Unit,  
 Balasore-756001.

Sub:-

Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of Forest land for Rehabilitation and up-gradation, (from existing 2 lane to 4 lane) from Baharagoda (Jharkhand State) to Singara section (199.200 Km to 310.806 Km) (within total stretch of 111.606 Km of NH-6 in the District of Mayurbhanj) in the State of Odisha under NHDP Phase-IV-B of Engineering Procurement and Construction (EPC) mode- (Proposal No.FP/OR/Road/17550/2016)

Ref:-

1. Your Letter No.NHA/11011/5/Forest/2019/PUI/BLS/1144 dt.14.10.2019 and this office Letter No.5673 dt.25.9.2019.
2. Memo No.22073 dt.13.12.2019 of the Addl. PCCF (Nodal), Bhubaneswar.

Sir,

With reference to above, this is to inform you that, the following Scheme has been approved, vide Memo Nos. cited above by the Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, F.C. Act' O/O the P.C.C.F. & HoFF, Odisha Bhubaneswar.

Sl. No.	Description	Amount approved @ Rs.298/- Per Manday	Amount already deposited by the User Agency (in Rs)	Balance amount to be paid by the User Agency (in Rs)	Approved vide Memo No.
1	2	4	5	6	7
1.	Scheme for Compensatory Afforestation over 178.328 ha.	Rs.2,41,76,900.00 (+)Rs.16,00,000.00 <u>Rs.2,57,76,900.00</u>	Rs.1,73,63,300.00 Rs. 54,69,200.00 <u>Rs.2,28,32,500.00</u>	Rs.13,44,400.00	No.22070 Dt. 13.12.2019 of PCCF, (Nodal)

Hence, you are requested to deposit Rs. 13,44,400/- (Rupees thirteen Lakh forty four thousand four hundred) only through e-portal of MoEF & CC as provided in the <http://parivesh.nic.in>, and submit the original proof with seal and signature of the issuing Bank to this office for needful. The vehicle of Rs.16,00,000/- (Rupees Sixteen lakhs) only to be provided for the approved Compensatory Afforestation scheme may be purchased and handed over to the undersigned at an early date.

Yours faithfully,

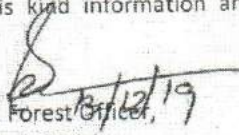
Divisional Forest Officer,  
 Rourkela Division.

P.T.O



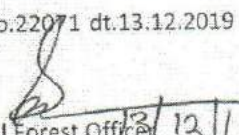
Memo No 7118 4F. Dt 13.12.19

Copy forwarded to Principal Chief Conservator of Forests, Forest Division & Nodal Officer, F.C. Act' O/O the P.C.C.F. & HoFF, Odisha Bhubaneswar for favour of his kind information and necessary action with reference to his Memo No.22070 dt.13.12.2019

  
Divisional Forest Officer,  
Rourkela Division.

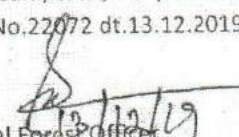
Memo No 7119 4F. Dt 13.12.19

Copy forwarded to Addl. Principal Chief Conservator of Forests, Rourkela Circle for favour of his kind information and necessary action with reference to Memo No.22071 dt.13.12.2019 of PCCF, (FD & Nodal Officer), F.C Act, Bhubaneswar.

  
Divisional Forest Officer,  
Rourkela Division.

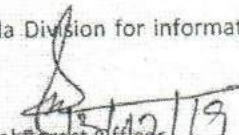
Memo No 7120 4F. Dt 13.12.19

Copy forwarded to Field-Director, Similipal Tiger Reserve-cum,RCCF, Baripada Circle for favour of his kind information and necessary action with reference to Memo No.22072 dt.13.12.2019 of PCCF, (FD & Nodal Officer), F.C Act, Bhubaneswar.

  
Divisional Forest Officer,  
Rourkela Division.

Memo No 7121 4F. Dt 13.12.19

Copy forwarded to the Divisional Forest Officer, Baripada Division for information and necessary action.

  
Divisional Forest Officer,  
Rourkela Division.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

**National Highways Authority of India**

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHAI/11011/5/Forest/2019/PIU/BLS/ 1144

14 Oct 2019

To

**The Divisional Forest Officer,**

Divisional Forest Office,

Rourkela Forest Division

Sundergarh, Odisha

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - **Proposal No. FP/OR/Road/17550/2016 - Submission of compliance report on Stage-1 approval - reg.**

Sir,

Kindly refer to your letter No. 5673 dated 25-09-2019 on the subject cited above, wherein the demand has been placed for an amount of Rs.2,28,64,508/- towards CA Scheme for 178.328 Ha. for the subject project.

In this connection, the sequence of the correspondence made in this regard is as follows”

1. PCCF, Forest Diversion & Nodal Officer vide letter No. 5172 dated 16-03-2019 has directed RCCF, Baripada to revise the wage rate from Rs.213.50 per manday to Rs.280/- per manday. Accordingly, RCCF, Baripada has requested to RCCF, Rourkela to instruct DFO, Rourkela to submit the revised CA Scheme as per latest wage rate @ Rs.280/- per manday for compliance of Stage-I approval.
2. Accordingly, DFO, Rourkela has submitted the revised demand for an amount of Rs.2,28,32,500/- towards CA Scheme for 178.328 Ha.
3. In this connection, it is worth mentioning that DFO Baripada has requested vide letter no. 640 dated 19 February 2018 to make payment in CAF for an amount of Rs. 1,73,63,300/- as per the financial outlay for Compensatory Afforestation over 178.328 Ha. of Degraded Forest Land identified in Karada DPF, Dalimbadihi Revenue Forest, Barapani and Jatia RF under Banki & Biramitrapur Range under

Rourkela Forest Division as approved by the Additional PCCF, Forest Diversion and Nodal Officer based on wage rate @213.50/- manday and this office has released the same vide cheque no. 409301 dated 26 February 2018. Accordingly, an amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR9201822600172080 dated 26-Feb-2018.

4. Further DFO, Rourkela vide letter no. 3818 dated 27 June 2019 has requested to make payment in CAF for an additional amount of Rs. 54,69,200/- as per latest wage rate @ Rs.280/- per manday and this office has released the same vide cheque no. 264302 dated 09 July 2019. Accordingly, an amount of Rs. 54,69,200/- towards CA land raised by DFO, Rourkela has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR92019070900094387 dated 09 July 2019.
5. It is to bring to your kind notice that as per direction of PCCF, vide memo no. 9F(Road)-420/2016 dated 22 Aug 2019, the CA Scheme has to be revised based on the current wage rate @ Rs.286.3/- per manday. But demand of Rs.2,28,64,508/- as per revised CA Scheme has been submitted instead of submitting the differential amount of Rs. 32,008/- after the differential wage rate of Rs. 6.3 (Rs. 286.3 - Rs. 280) per man day.

Considering the above facts, it is requested to kindly clarify the same and demand the exact differential amount based on revised wage rate for taking further necessary action at this end.

Yours faithfully,

 14/10/19

(P. Nageswara Rao)  
GM (Tech.) &  
Project Director

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.
3. RCCF, Rourkela for kind information and necessary action.
4. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.





## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

### National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHAI/11011/5/Forest/2019/PIU/BLS/ 780

09 Jul 2019

To

The Divisional Forest Officer,  
Baripada Forest Division,  
Baripada.

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Submission of compliance report on Stage-1 approval - reg.

Sir,

In inviting a kind reference to the letter cited above, please refer to the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change wherein "in-principle" approval for diversion of 67.309 ha. (originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation, (from existing 2-lane to 4-lane) from Baharagora (Jharkhand State) to Singara Section (km.199.200 to km.310.806) (within total stretch of 111.606 km.) of NH-6 in the District of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode has been conveyed subject to the fulfillment of the certain conditions and requested to submit the required demand as per above. Requisite demands has already been deposited.

Further, it is worth mentioning that DFO Baripada has requested vide letter no. 640 dated 19 February 2018 to make payment in CAF for an amount of Rs. 1,73,63,300/- as per the financial outlay for Compensatory Afforestation over 178.328 Ha. of Degraded Forest Land identified in Karada DPF, Dalimbadihi Revenue Forest, Barapani and Jatia RF under Banki & Biramitrapur Range under Rourkela Forest Division as approved by the Additional PCCF, Forest Diversion and Nodal Officer based on wage rate @213.50/- manday and this office has released the same vide cheque no. 409301 dated 26 February 2018. Accordingly, an amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with URRISA CAMPA through RIGS vide UIR No.SYNBR9201822600172080 dated 26-Feb-2018.

Received a copy  
10.7.19

Corporate Office : G-5 & G-6, Sector-10, Dwarka, New Delhi - 110075, Ph : (011) 25074100, 25074200

Website : <http://www.nhai.org>



(2)

Further, PCCF, Forest Diversion & Nodal Officer vide letter No. 5172 dated 16-03-2019 has directed RCCF, Baripada to revise the wage rate from Rs.213.5 per manday to Rs.280/- per manday. Accordingly, RCCF, Baripada has requested to RCCF, Rourkela to instruct DFO, Rourkela to submit the revised CA Scheme as per latest wage rate @ Rs.280/- per manday for compliance of Stage-I approval.

Accordingly, DFO, Rourkela vide letter no. 3818 dated 27 June 2019 has submitted the demand to deposit the balance amount of Rs.54,69,200/- (Rs.2,28,32,500/- - Rs.1,73,63,300/-) towards the revised CA scheme for 178.328 ha.

The demand has been uploaded in Forest Department Portal for accordance of necessary approval of Nodal Officer. After approval of Nodal Office, an amount of Rs. 54,69,200/- has been deposited through RTGS mode of money transfer vide Cheque No. 264302 dated 09-July-2019. Copy of challan is enclosed for your reference. ( UTR NO. SYNBR92019070900094387 ).

In view of above, it is requested to issue Stage-II Clearance in this regard.

Yours faithfully,

  
(P. Nageswara Rao)  
GM (Tech.) &  
Project Director

Encl.: As above.

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for information.
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for information and necessary action.
3. Regional Chief Conservator of Forests, Rourkela Circle for kind information and necessary action.
4. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.
5. Divisional Forest Officer, Rourkela Forest Division, Sundergarh, Odisha for information and necessary action.

## AGENCY COPY

## NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 09-07-2019

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550994
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	5469200/-

Amount in Words :Fifty-Four Lakh Sixty-Nine Thousand Two  
Hundred Rupees Only

NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550994 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only
- This challan is valid only for seven days.

## BANK COPY

## NEFT / RTGS CHALLAN for Ad-HOC CAMPA

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Hundred Rupees Only

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- This challan is valid only for seven days.

After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskampa@corpbank.co.in](mailto:helpdeskampa@corpbank.co.in)

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## AGENCY COPY

## NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 09-07-2019

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550994
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Hundred Rupees Only

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Location.	ORRISA
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Amount(in Rs)	5469200/-

Amount in Words :Fifty-Four Lakh Sixty-Nine Thousand Two  
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NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550994 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making  
payment to CAMPA by NEFT/RTGS only
- This challan is valid only for seven  
days.

After making successful payment, User Agencies may send a line of confirmation through  
Email: helpdeskampa@corpbank.co.in

Print

Back

SYNBR92019070900094387



11011-5





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHAI/11011/5/Forest/2019/PIU/BLS/६११

12 Jun 2019

To

**The Divisional Forest Officer,**

Divisional Forest Office,

Rourkela Forest Division

Sundergarh, Odisha

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - **Proposal No. FP/OR/Road/17550/2016 - reg.**

Sir,

Kindly refer to your letter No. 3360 dated 04-06-2019 on the subject cited above, wherein the demand has been placed for an amount of Rs.2,28,32,500/- towards CA Scheme for 178.328 Ha. for the subject project.

In this connection, the sequence of the correspondence made in this regard is as follows"

1. PCCF, Forest Diversion & Nodal Officer vide letter No. 5172 dated 16-03-2019 has directed RCCF, Baripada to revise the wage rate from Rs.213.5 per manday to Rs.280/- per manday. Accordingly, RCCF, Baripada has requested to RCCF, Rourkela to instruct DFO, Rourkela to submit the revised CA Scheme as per latest wage rate @ Rs.280/- per manday for compliance of Stage-I approval.
2. Accordingly, DFO, Rourkela has submitted the revised demand for an amount of Rs.2,28,32,500/- towards CA Scheme for 178.328 Ha.
3. In this connection, it is worth mentioning that DFO Baripada has requested vide letter no. 640 dated 19 February 2018 to make payment in CAF for an amount of Rs. 1,73,63,300/- as per the financial outlay for Compensatory Afforestation over 178.328 Ha. of Degraded Forest Land identified in Karada DPF, Dalimbadihi Revenue Forest, Barapani and Jatia RF under Banki & Biramitrapur Range under Rourkela Forest Division as approved by the

(2)

Additional PCCF, Forest Diversion and Nodal Officer based on wage rate @213.50/- manday and this office has released the same vide cheque no. 409301 dated 26 February 2018. Accordingly, an amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR9201822600172080 dated 26-Feb-2018.

It is to bring to your kind notice that as per direction of PCCF, the CA Scheme has to be revised based on the current wage rate @ Rs.280/- per manday . But it seems that the entire CA Scheme has been revised and raised the demand for total scheme amounting to Rs.2,28,32,500/-.

Considering the above facts, it is requested to kindly clarify the same and demand the exact differential amount based on revised wage rate for taking further necessary action at this end.

Yours faithfully,



12/6/19

(P. Nageswara Rao)  
GM (Tech.) &  
Project Director

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada, for kind information and necessary action.
3. RCCF, Rourkela for kind information and necessary action.
4. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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Plot No. 1086, Chandmari Padia Road, Sahadevkhunta

Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366

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nhaibalasore@gmail.com



NHAI/11011/5/Forest/2019/PIU/BLS/ 121

08 Feb 2019

To

Divisional Forest Officer, Karanjia Forest Division, Karanjia.	Divisional Forest Officer, Rairangpur Forest Division, Rairangpur.	Divisional Forest Officer, Baripada Forest Division, Baripada.
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**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of ofrest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhan in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Approval of Stage-2 Clearance - reg.

**Ref:** 1. This office letter No. 971 dated 03-10-2018.  
2. This office letter No. 1304 dated 31-12-2018.

Sir,

In inviting a kind reference to the subject cited above, it is to inform that an amount of Rs.35,51,57,640/- has been deposited through RTGS vide Cheque No. 772279 dated 08 February 2019 as per the estimate and accounts details provided by OFDC Ltd. towards point no.(vi) of Stage-I Clearance i.e. the State Govt. shall take up plantation of 10 times the number of trees to be felled form non-forest land of the project alignment at the cost of user agency, and the site of planting and locally regenerated trees species proposed for planting.

Yours faithfully,

  
(P. Nageswara Rao)  
GM (Tech.) & PD

Encl.: As above.

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Addl. PCCF-cum-Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.
3. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.
4. Divisional Manager, OFDC Ltd. Baripada Division, Baripada for information and necessary action.







## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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nhaibalasore@gmail.com



### UNDERTAKING

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode – **Approval of Site Specific Wildlife Conservation Plan – req.**

Ref: PCCF (WL) & Chief Wildlife Warden, Odisha letter No. 11258 dated 22-12-2017.

It is to undertake that as per approved Site Specific Wildlife Conservation Plan, an amount of Rs.233.52 lakh with respect to point no. 2 (a) for activities to be implemented by the User Agency in Project Area will be deposited on receipt of the accounts details from the forest department immediately.

For National Highways Authority of India

(P. Nageswara Rao)  
PD, PIU-Balasore  
GM (Tech.) & Project Director  
National Highways Authority of India  
PIU-BALASORE



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

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nhaibalasore@gmail.com

NHAI/11011/5/Forest/2018/PIU/BLS/ 1304

31 Dec 2018

To

Divisional Forest Officer,  
Karanjia Forest Division,  
Karanjia.

Divisional Forest Officer,  
Rairangpur Forest Division,  
Rairangpur.

Divisional Forest Officer,  
Baripada Forest Division,  
Baripada.

**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Approval of Stage-2 Clearance - reg.

**Ref:** This office letter No. 971 dated 03-10-2018.

Sir,

Kindly refer to this office letter cited above. In this connection, it is to inform that the User Agency has been complied all the conditions mentioned in the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change wherein "in-principle" approval for diversion of 67.309 ha. (originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation, (from existing 2-lane to 4-lane) from Baharagora (Jharkhand State) to Singara Section (km.199.200 to km.310.806) (within total stretch of 111.606 km.) of NH-6 in the District of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode has been conveyed subject to the fulfillment of the certain conditions.

In this connection, it is to submit herewith the following for your perusal.

Sl. No.	Conditions	Compliance
i.	Legal status of forest land proposed for diversion shall remain unchanged.	Complied
ii.	The state Govt. shall charge the Net Present Value (NPV) of forest area proposed to be diverted under this proposal from the user agency as per the Order of 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. While conveying the compliance of this condition mention be made of the Eco-class and density of forest for which NPV has been charged.	Complied
iii.	At the time of payment of the Net Present Value (NPV) at the present 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	Complied

Corporate Office : G-5 & G-6, Sector-10, Dwarka, New Delhi - 110075, Ph : (011) 25074100, 25074200

Website : <http://www.nhai.org>



iv.	Compensatory afforestation over 178.238 ha of degraded forest land identified in four patches i.e. Karada DPF (44.843 ha), Dalimbadihi Revenue Forest (54.407 ha), Barpani RF (55.126 ha) and Jatia RF (23.952 ha) in Rourkela Forest Division against the area of forest land proposed to be diverted shall be raised and maintained by the State Forest Department at the cost of the user agency	Complied
v.	The State Govt. has proposed plantation of 35.666 number of trees over 178.328 ha of degraded forest land. However, 67.309 number of trees @ 1000 trees per ha have to be planted against diversion of 67.309 ha of forest land. Hence, the State Govt. shall identify additional degraded forest land and submit the location of area and shape file for plantation of balance 31,643 number trees before issue of State-II approval	Request has been made to DFO, Rourkela to identify the additional degraded forest land.
vi.	State Govt. shall take up plantation of 10 times the number of trees to be felled from non-forest land of the project alignment at the cost of user agency, and the site of planting and locally regenerated trees species proposed for planting, should also be communicated to the Eastern Regional Office	Complied
vii.	State Govt. shall furnish details of trees enumerated over non-forest land of the road alignment before tree felling permission is issued	Complied
viii.	The user agency shall transfer the cost of raising and maintaining the compensatory afforestation for 10 years, at the current wage rate, to the State Forest Department	Complied
ix.	The NTCA has recommended that 7.6 Km. of road in forest area coming under Buffer Zone of Similipal Tiger Reserve should not be widened. However, the NTCA has agreed and the curves can be improved wherever necessary. The State Govt. shall inform the NTCA the total forest area being used and diverted for improvement of the curves	Design drawings of the curve is enclosed.
x.	The widening of road near Khairi Niwas may be shifted at least five meters from the boundary of the Khairi Newas premises	Complied
xi.	During discussion with the user agency the committee enquired that, "how would the user agency prepare underpasses on the uphill portions, which area quite steep"? The NHAI representative clarified that, "the new alignment at the sites of underpasses, will be elevated by up to 8 meters, so that, the existing portion of the road stays as an under passe for wildlife including elephants". Accordingly, NHAI shall certify the given statement and submit the drawings (Plans, Elevations Sections) for easy understanding of the said plan to Eastern Regional Office within next 3 days. In addition the	Design drawings of the elephant underpass is enclosed.



xix.	The C.A. Scheme submitted, need revision, locally regenerating tree species to be planted and soil moisture conservation measure to be take up one year prior to planting accordingly the revised C.A. scheme to be produced	Complied
xx.	In case the widening of the road is to be done in areas already having adequate clearance, trees shall not be cut. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department	Complied
xxi.	The designing of culverts/bridges, if any, over the natural streams/rivers/canals should be done in such a manner that it does not hamper the natural course of water, does not give rise to water-logging, and also does not hamper movement of wild animals	Complied
xxii.	The user agency shall use fly ash for the road construction and for filling up of void created due to soil borrows which will be followed by compaction and spreading of top soil over it as per Fly Ash Notification No. S.O.254 (E) dated 25-01-2016	Complied
xxiii.	The user agency shall submit an undertaking to ensure that flanks of roads should filled by transported soil and not with soil dug from the side of the roads	Complied
xxiv.	No additional or new path will be constructed inside the forest area for any activity related to the project work	Complied
xxv.	No labour camp shall be allowed in the forest area	Complied
xxvi.	The user agency shall provide LPG or alternate fuel, to laboures working at the site to avoid damage/tree felling and ensure to fuelwood use	Complied
xxvii.	The user agency while executing works, shall not fell any tree of damage forest growth in the surrounding forest area in any manner	Complied
xxviii.	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 user agency, department or person without the prior approval of Ministry of Environment, Forest & Climate Change	Complied
xxix.	The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change	Complied
xxx.	The State Government shall complete settlement of rights, in term of the Schedule Tribes and 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 05-02-2013 and 05-07-	Complied

	2013 in support thereof	
xxxi	Any other conditions that the Ministry of Environment, Forest & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, which shall be complied by the user agency	Complied
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	Complied

In view of above, it is requested to kindly communicate necessary extension to the Stage-I Approval for a period of six months for compliance of stipulations mentioned in the Stage-I clearance conveyed by Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change vide letter No. ORA313/2017-BHU dated 12.09.2017 and issue the Stage-II approval. .

Yours faithfully,



(P. Nageswara Rao)  
GM (Tech.) & PD

31/12/18

Encl.: As above (2 Sets).

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Addl. PCCF-cum-Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.
3. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information and necessary action.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

NHA/11011/5/Forest/2018/PIU/BLS/ 972

03 Oct 2018

To  
Additional PCCF-cum-Field Director,  
Similipal Tiger Reserve,  
Baripada.

**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of ofrest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhan in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode – Approval of Site Specific Conservation Plan - req.

Sir,

In inviting a kind reference to the subject cited above, it is to inform that this office has already been complied the conditions stipulated in Stage-I approval conveyed vide letter No. ORA313/2017-BHU dated 12.09.2017 by Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change for the above project.

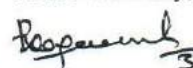
Further, the following amount has already been deposited.

- An amount of Rs.12,05,67,000/- towards Site Specific Wildlife Conservation Plan has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBP18011672571032 dated 16-Jan-2018. Copy of Challan is enclosed herewith for your kind reference.

Balance amount to the tune of Rs.2,33,52,000/- towards activities to be implemented by the user agency in project area has to be deposited by this office.

Hence, it is requested to kindly provide the details of Bank Account for deposit of the above amount.

Yours faithfully,

  
(P. Nageswara Rao) 31/10/18  
GM (Tech.) & PD

Copy to :

1. The Divisional Forest Officer, Baripada Forest Division, Baripada for kind information and necessary action.
2. The Divisional Forest Officer, Rairangpur Forest Division, Balasore for kind information and necessary action.
3. The Divisional Forest Officer, Karanjia Forest Division, Balasore for kind information and necessary action.





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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nhaibalasore@gmail.com



NHAI/11011/5/Forest/2018/PIU/BLS/ 971

03 Oct 2018

To

Divisional Forest Officer, Karanjia Forest Division, Karanjia.	Divisional Forest Officer, Rairangpur Forest Division, Rairangpur.	Divisional Forest Officer, Baripada Forest Division, Baripada.
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**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Extension Proposal for Stage-1 Clearance - req.

Sir,

Kindly refer to the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change wherein "in-principle" approval for diversion of 67.309 ha. (originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation, (from existing 2-lane to 4-lane) from Baharagora (Jharkhand State) to Singara Section (km.199.200 to km.310.806) (within total stretch of 111.606 km.) of NH-6 in the District of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode has been conveyed subject to the fulfillment of the certain conditions and requested to submit the demand for payment of NPV at the present rate for taking further necessary action.

Accordingly, the User Agency has been complied, the conditions and deposited the required charges. The details are as follows:-

- NPV amounting to Rs.6,15,22,966/- (Rs.1,00,01,602/- of DFO, Baripada, Rs.1,82,19,417/- of DFO, Karanjia and Rs.3,33,01,947/- of DFO, Rairangpur) has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR92017113000021249 dated 29-Nov-2017. Copy of Challan is enclosed herewith for your kind reference.
- An amount of Rs.12,05,67,000/- towards Site Specific Wildlife Conservation Plan has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBP18011672571032 dated 16-Jan-2018. Copy of Challan is enclosed herewith for your kind reference.
- An amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR9201822600172080 dated 26-Feb-2018. Copy of Challan is enclosed herewith for your kind reference.
- Further, required Undertakings as per stipulations / conditions laid in the above approval has been submitted vide letter No. 172 dated 26-Feb-2018.

o/c



(2)

Further, the following are submitted herewith for your perusal.

Sl. No.	Conditions	Compliance
vi	State Govt. shall take up plantation of 10 times the number of trees to be felled from non-forest land of the project alignment at the cost of user agency, and the site of planting and locally regenerated trees species proposed for planting, should also be communicated to the Eastern Regional Office.	As per decision during the review meeting held on 12-04-2018 under the Chairmanship of Chief Secretary, Odisha, it has been decided that planting of 10 times trees felled appears to be on the higher side and accordingly a view emerged to plant two times of the trees to be felled from the non-forest land along the National Highways with the help of OFDC at the cost of the road authorities
ix	The NTCA has recommended that 7.6 Km. of road in forest area coming under Buffer Zone of Similipal Tiger Reserve should not be widened. However, the NTCA has agreed and the curves can be improved wherever necessary. The State Govt. shall inform the NTCA the total forest area being used and diverted for improvement of the curves.	Design of the curves is under preparation and will be taken up very shortly.
x	The widening of road near Khairi Niwas may be shifted at least five meters from the boundary of the Khairi Niwas premises.	Proposed alignment has been modified beyond 5 mtr. Of the boundary of the Khairi Niwas premises.
xi	During discussion with the user agency the committee enquired that, "how would the user agency prepare underpass on the uphill portions, which area quite steep"? The NHAI representative clarified that, "the new alignment at the sites of underpasses, will be elevated by up to 8 meters, so that, the existing portion of the road stays as an under passé for wildlife including elephants". Accordingly, NHAI shall certify the given statement and submit the drawings (Plans, Elevations Sections) for easy understanding of the said plan to Eastern Regional Office within next 3 days. In addition the user agency shall execute any habitat improvement in and around all Underpasses as advised by the CWLW of the state.	Designs are under preparation and will be submitted after approval by the Engineer.
xii	The position of the proposed elephant underpasses and required Site Specific Wildlife Management Plan be obtained from PCCF (WL), Odisha	Obtained.

xiii	The user agency shall present a report on successful underpasses prepared by NHAI elsewhere in India, that are adapted/used by wild elephants with a critical review for future reference and utility.	Collection of data for submission of the report on successful underpasses prepared by NHAI is in progress and will be submitted shortly.
xiv	All the funds received from the user agency under the project shall be transferred online to the Ad-hoc CAMPA in the Saving Bank Account pertaining to the State concerned	Requisite funds has already been deposited.

Further, we are re-submitting herewith the balance undertakings for taking necessary action.

In view of above, it is requested to kindly communicate necessary extension to the Stage-I Approval for a period of six months for compliance of stipulations mentioned in the Stage-I clearance conveyed by Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change vide letter No. ORA313/2017-BHU dated 12.09.2017.

Yours faithfully,

 3/10/18

(P. Nageswara Rao)  
GM (Tech.) & PD

Encl.: As above (5 Sets).

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Addl. PCCF-cum-Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.
3. CGM (Tech.) & RO-Odisha, NIIAI, Bhubaneswar for kind information and necessary action.





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दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

## UNDERTAKING

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - Forest Diversion Proposal - Stage-I Approval - reg

Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

## Condition No. (viii)

It is to undertake that the User Agency (NHAI) shall transfer the cost of raising and maintaining the compensatory afforestation for 10 years, at the current wage rate, to the State Forest Department.

For National Highways Authority of India

*P. Nageswara Rao* 3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xvi)

It is to undertake that the User Agency shall comply the conditions stipulated by the State Govt. vide letter No. 10F (Cons) 123/2016-6910/F&E dated 05-04-2017 (except condition of payment of royalty of trees)

For National Highways Authority of India

*Bageswara Rao* 3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,

National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xvii)

It is to undertake that the boundary of the forest land proposed to be diverted shall be demarcated on the ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with the serial number, DGPS coordinates, distance for adjoining pillars etc. As per Ministry's letter No.-13-20/2015-CAMPA dated 09-06-2016, the cost of expenditure like boundary walls, stone pillars, demarcation charges, charges of felling of trees and their transportation to depots shall be deposited with DFOs concerned and the work should be undertaken departmentally in order to ensure that the task of erection of boundary walls, stone pillars, demarcation charges etc, are undertaken faithfully and in the best interests of the forest before the diversion and handing over of the forest land takes place. The work on these items should be completed within 6 months from the grant of final approval to diversion of forest land.

For National Highways Authority of India

(P. Nageswara Rao)

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xviii)

It is to undertake that the State Forest Department/UA shall submit the surveyed sketch of 178.238 ha of degraded forest land identified in four patches i.e. Karada DPF (44.843 ha), Dalimbadihi Revenue Forest (54.407 ha), Barpani (55.126 ha) and Jatia RF (23.952 ha) in Rourkela Forest Division as proposed of CA, giving the forward and backward bearing of each demarcation pillar and distance between them. The State Forest Department/User Agency shall submit the DGPS reading of each demarcated pillar giving the latitude and the longitude.

For National Highways Authority of India

*P. Nageswara Rao*  
3/10/18

(P. Nageswara Rao)

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xx)

It is to undertake that widening of the road is to be done in areas already having adequate clearance. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.

For National Highways Authority of India

 3/10/18

(P. Nageswara Rao)

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxi)

It is to undertake that the designing of culverts / bridges, if any, over the natural streams / rivers / canals should be done in such a manner that it does not hamper the natural course of water, does not give rise to water-logging, and also does not hamper movement of wild animals.

For National Highways Authority of India

 3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxii)

It is to undertake that the fly ash shall be used as per Fly Ash Notification No. S.O.254 (E) dated 25-01-2016 for the road construction and for filling up of void created due to soil borrows, which will be followed by compaction and spreading of top soil over it

For National Highways Authority of India

*[Signature]*  
3/10/18

(P. Nageswara Rao)

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxiv)

It is to undertake that no additional or new path will be constructed inside the forest area for any activity related to the project work.

For National Highways Authority of India

*P. Nageswara Rao* 31/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xxv)

It is to undertake that during the execution of work no labour camp will be established / allowed in the forest area.

For National Highways Authority of India

  
(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

## Condition No. (xxvi)

It is to undertake that LPG or alternate fuel shall be provided to laboures working at the site to avoid damage/tree felling and ensure to fuel wood use.

For National Highways Authority of India

  
3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE

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### Condition No. (xxvii)

It is to undertake that while executing works, we shall not fell any tree or damage forest growth in the surrounding forest area in any manner.

For National Highways Authority of India

  
3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE





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nhaibalasore@gmail.com

## UNDERTAKING

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode - **Forest Diversion Proposal - Stage-I Approval - reg**

Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

## Condition No. (xxviii)

It is to undertake that 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 user agency, department or person without prior approval of Ministry of Environment, Forest & Climate Change.

For National Highways Authority of India

*P. Nageswara Rao*  
5/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore

**Project Director,**

**National Highways Authority of India**  
**PIU-BALASORE**



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

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Plot No. 1086, Chandmari Padia Road, Sahadevkhunta  
Balasore - 756001 (Odisha)

दूरभाष / Tel : 06782-263366  
ई-मेल / e-mail: piubalasore@nhai.org  
nhaibalasore@gmail.com



### UNDERTAKING

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxix)

It is to undertake that the layout plan of the proposed forest land shall not be changed without prior approval of Ministry of Environment, Forest & Climate Change.

For National Highways Authority of India

*P. Nageswara Rao* 31/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,  
National Highways Authority of India  
PIU-BALASORE

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxx)

It is to undertake that the State Government shall complete settlement of rights, in term of the Schedule Tribes and 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 05-02-2013 and 05-07-2013 in support thereof.

For National Highways Authority of India

*P. Nageswara Rao* 3/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore

Project Director,

National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

## Condition No. (xxxi)

It is to undertake that any other conditions that the Ministry of Environment, Forest & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, which shall be complied by the user agency.

For National Highways Authority of India

*P. Nageswara Rao*  
31/10/18

(P. Nageswara Rao)  
PD, PIU-Balasore  
Project Director,

National Highways Authority of India  
PIU-BALASORE





भारतमाला BHARATMALA  
प्रगति से परे पर अग्रसर ROAD TO PROSPERITY

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxxii)

It is to undertake that the provisions of all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project shall be complied.

For National Highways Authority of India

(P. Nageswara Rao)

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE





**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**  
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**National Highways Authority of India**  
(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha  
301-ए, तीसरी मंजिल, पाल हाइट्स, प्लॉट नं जे/7, जयदेव विहार  
भुवनेश्वर - 751013, ओडिशा  
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar  
Bhubaneswar- 751013, Odisha

दूरभाष/Tel. : +91-674-2361570/670  
फैक्स/Fax : +91-674-2361770  
ई-मेल /e-mail : roodisha@nhai.org  
ronhaiodisha@gmail.com  
वेबसाइट/Website : http://www.nhai.org

NHAI/12013/5/RO-OD/2163 /2018

30.08.2018

To,

The Additional Chief Secretary  
Forest & Environment Department  
Govt of Odisha  
Bhubaneswar

**भा.रा.रा.प्रा., NHAI**

प.का.इ., बालेश्वर/PIU, Balasore

डायरी, सं/Dy. No. 2469 दि/Dt. 4.9.18

फा.सं/F. No. 11011-5

को मार्क किया

**Sub: Diversion of 67.309 ha of forest land for rehabilitation and upgradation of 4-laning of Baharagora-Singara Section of NH-6 – Deposit of approved cost of Site Specific Wildlife Conservation Plan for implementation in Project Impact Area.**

Sir,

It is to inform that the PCCF (WL) & CWLW has approved site specific wildlife conservation plan for the subject work amounting to Rs 1439.19 lakh. Out of the same Rs.1205.67 lakhs is to be deposited in CAMPA fund for execution of various activities by Forest Department and remaining Rs.233.52 lakhs of works is to be executed by project proponent for the following 7 nos of activities:

Sl. no.	Description	Estimated cost (Rs.in lakhs)
1	Hoardings and signboards	5.00
2	Sensitization programme for NH staff / workers and local people	5.00
3	Provision for artificial bird nesting and bird bath including cost of maintenance along the 104.806 km NH stretch to rehabilitation the birds as per para (a) iii of chapter-	28.80
4	Provision for construction of one check station on both sides of the road station on LS @8.00 lakh per station	16.00
5	Purchase of 1 no generator set (15 AMP) for monitoring and evaluation cell of Baripada Division including cost of installation	6.00
6	i) Purchase of 3 nos of four wheeler vehicles 1 each for Baripada, Rairangpur & Karanjia Foest Divisions for mitigating man-elephant conflict forest protection as well as forest fire protection ii) Purchase 1 nos of four wheeler vehicle for the	72




	field director STR cum RCCF, Baripada for monitoring and evaluation. Total 4 nos of vehicles @18 lakhs each	
	iii) Provision for cost of fuel @150 ltr per month per vehicle over the plan period	46.80
7	Covering of open well for animal safety @Rs.5.00 lakhs in 3 Division (LS)	15.00
	Total	194.60
	Add 20% escalation cost	38.92
	Grand Total	233.52

2. PD, PIU Balasore has deposited Rs. 1205.67 lakh in CAMPA fund for implementation of wild life conservation plan. However, with regards to activities to be implemented by the project proponent, it is to inform that NHAI has neither proper mechanism nor experience to undertake such technical intervention which will be beneficial to forest and wildlife except signage. Therefore it is suggested to deposit the approved funds with the Forest Department, so that approved interventions can be implemented under the supervision of experienced forest officials in the greater interest of Forest and Wildlife.

3. In this regard, it is to submit that previously in respect of Panikoilli-Rimuli stretch, it was informed to deposit the amount with the account maintained by Under Secretary to Government & Drawing & Disbursing Officer (DDO), F&E Department vide Forest Department letter no.8208 dated 22.04.2017. Copy of the said letter enclosed herewith for reference.

4. In view of the above, necessary approval may be accorded on the proposal given above, so that the approved funds can be placed with the Forest Department.

Yours faithfully,

  
 30.08.2018  
 (Ram Prasad Panda)  
 CGM (Tech.) & RO

✓ Copy to PD, PIU-Balasore





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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nhaibalasore@gmail.com

NHAI/11011/5/Forest/2018/PIU/BLS/ 262

23 Mar 2018

To  
Divisional Forest Officer,  
Karanjia Forest Division,  
Karanjia.

**Sub:** Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Upgradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhan in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode – Forest Diversion Proposal – Stage-I Approval - reg.


Ref: Your letter No. 1643 dated 22-Mar-2018.

Sir,

In inviting a kind reference to the subject cited above, it is to inform that this office has submitted 13 Nos. of Undertakings vide letter No. 172 dated 26-Feb 2018 as per stipulations made in the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change. However, as discussed the balance Undertakings are submitted herewith for taking further necessary action.

In view of above, it is requested to kindly accord necessary permission to the User Agency to take up the work in the forest area immediately.

Yours faithfully,

  
(P. Nageswara Rao)  
DGM (Tech.) & PD

Encl.: As above.

Copy to:

✓ Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (i)

It is to undertake that legal status of forest land proposed for diversion shall not be changed.

For National Highways Authority of India

P.Nageswara Rao  
PD, PIU-Balasore





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (iii)

It is to undertake that any additional amount of NPV, if so determined, as per final decision of the Hon'ble Supreme Court of India the same shall be borne by User Agency.

For National Highways Authority of India

 23/12/18

P. Nageswara Rao  
PD, PIU-Balasore





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (vi)

It is to undertake that the user agency shall bear the cost of plantation of 10 times the number of trees to be felled from non-forest land of the project alignment.

For National Highways Authority of India

  
23/3/18

P.Nageswara Rao  
PD, PIU-Balasore



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (vii)

It is to undertake that the user agency shall furnish details of trees enumerated over non-forest land of the road alignment before tree felling permission is issued.

For National Highways Authority of India

 23/3/18

P.Nageswara Rao  
PD, PIU-Balasore



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (viii)

It is to undertake that the user agency shall transfer the cost of raising and maintaining the compensatory afforestation for 10 years, at the current wage rate, to the State Forest Department.

For National Highways Authority of India

  
23/3/18

P. Nageswara Rao  
PD, PIU-Balasore





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दूरभाष / Tel : 06782-263366

ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

#### UNDERTAKING

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode – **Forest Diversion Proposal – Stage-I Approval - req**

Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xi)

It is to undertake that the user agency will submit the drawings (Plans, Elevations Sections) for easy understanding of the said plan to Eastern Regional Office within next 3 days. In addition the user agency shall execute any habitat improvement in and around all Underpasses as advised by the CWLW of the state.

For National Highways Authority of India

P. Nageswara Rao  
PD, PIU-Balasore



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xii)

It is to undertake that the position of the proposed elephant underpasses and required Site Specific Wildlife Management Plan will be obtained from PCCF (WL), Odisha.

For National Highways Authority of India

  
23/3/18

P. Nageswara Rao  
PD, PIU-Balasore



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xv)

It is to undertake that no royalty of trees shall be paid by the user agency as per Ministry's letter No. 13-20/2015-CAMPA dated 09-06-2016.

For National Highways Authority of India

P.Nageswara Rao  
PD, PIU-Balasore





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xvi)

It is to undertake that the user agency shall comply the conditions stipulated by the State Govt. vide letter No. 10F (Cons) 123/2016-6910/F&E dated 05-04-2017 (except condition of payment of royalty of trees).

For National Highways Authority of India

*P. Nageswara Rao*  
23/3/18

P.Nageswara Rao  
PD, PIU-Balasore



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xvii)

It is to undertake that the boundary of the forest land proposed to be diverted shall be demarcated on the ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with the serial number, DGPS coordinates, distance for adjoining pillars etc. As per Ministry's letter No.-13-20/2015-CAMPA dated 09-06-2016, the cost of expenditure like boundary walls, stone pillars, demarcation charges, charges of felling of trees and their transportation to depots shall be deposited with DFOs concerned and the work should be undertaken departmentally in order to ensure that the task of erection of boundary walls, stone pillars, demarcation charges etc, are undertaken faithfully and in the best interests of the forest before the diversion and handing over of the forest land takes place. The work on these items should be completed within 6 months from the grant of final approval to diversion of forest land.

For National Highways Authority of India

  
23/3/18

P.Nageswara Rao  
PD, PIU-Balasore





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### Condition No. (xxx)

It is to undertake that the State Government shall complete settlement of rights, in term of the Schedule Tribes and 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 05-02-2013 and 05.07.2013 in support thereof.

For National Highways Authority of India

P.Nageswara Rao  
PD, PIU-Balasore





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxxi)

It is to undertake that any other conditions that the Ministry of Environment, Forest & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, which shall be complied by the user agency.

For National Highways Authority of India

P.Nageswara Rao  
PD, PIU-Balasore



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

#### Condition No. (xiii)

It is to undertake that the user agency shall present a report on successful underpasses prepared by NHAI elsewhere in India, that are adapted/used by wild elephants with a critical review for future reference and utility.

For National Highways Authority of India

  
23/3/18

P.Nageswara Rao  
PD, PIU-Balasore





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NHAI/11011/5/Forest/2018/PIU/BLS/ 172

26 Feb 2018

To

Divisional Forest Officer, Karanjia Forest Division, Karanjia.	Divisional Forest Officer, Rairangpur Forest Division, Rairangpur.	Divisional Forest Officer, Baripada Forest Division, Baripada.
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Sir,

Kindly refer to the letter No. ORA313/2017-BHU dated 12.09.2017 of Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change wherein "in-principle" approval for diversion of 67.309 ha. (originally 85.104 ha. of forest land **proposed**) of forest land for Rehabilitation and Up-gradation, (from existing 2-lane to **4-lane**) from Baharagora (Jharkhand State) to Singara Section (km.199.200 to km.310.806) (within total stretch of 111.606 km.) of NH-6 in the District of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode has been conveyed subject to the fulfillment of the certain conditions and requested to submit the demand for payment of NPV at the present rate for taking further necessary action.

Accordingly, the User Agency has been complied, the conditions and deposited the required charges. The details are as follows:-

1. NPV amounting to Rs.6,15,22,966/- (Rs.1,00,01,602/- of DFO, Baripada, Rs.1,82,19,417/- of DFO, Karanjia and Rs.3,33,01,947/- of DFO, Rairangpur) has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR92017113000021249 dated 29-Nov-2017. Copy of Challan is enclosed herewith for your kind reference.
2. An amount of Rs.12,05,67,000/- towards Site Specific Wildlife Conservation Plan has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBP18011672571032 dated 16-Jan-2018. Copy of Challan is enclosed herewith for your kind reference.
3. An amount of Rs.1,73,63,300/- towards CA land raised by DFO, Baripada has been deposited with ORRISA CAMPA through RTGS vide UTR No.SYNBR9201822600172080 dated 26-Feb-2018. Copy of Challan is enclosed herewith for your kind reference.
4. Further, it is to submit herewith the required Undertakings as per stipulations / conditions laid in the above approval.



(2)

In view of above, it is requested to kindly accord necessary permission to the User Agency to take up the work in the forest area immediately.

Yours faithfully,

 26/2/18

(P. Nageswara Rao)  
DGM (Tech.) & PD

Encl.: As above (5 Sets).

Copy to:

1. Addl. Pr. Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF (O), Bhubaneswar for kind information.
2. Field Director, Similipal Tiger Reserve-cum-Regional CCF, Baripada for kind information and necessary action.
3. CGM (Tech.) & RO-Odisha, NHAI, Bhubaneswar for kind information.



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (viii)

It is to undertake that the User Agency (NHAI) shall transfer the cost of raising and maintaining the compensatory afforestation for 10 years, at the current wage rate, to the State Forest Department.

For National Highways Authority of India

  
26/2/18

**P.Nageswara Rao**  
**PD, PIU-Balasore**  
**Project Director,**

**National Highways Authority of India**  
**PIU-BALASORE**



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (x)

It is to undertake that during widening of road near Khairi Niwas, the alignment shall be changed and shifted at least five meters from the boundary of the Khairi Newas premises.

For National Highways Authority of India

  
26/2/18

P. Nageswara Rao  
PD, PIU-Balasore

Project Director,  
National Highways Authority of India  
PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xx)

It is to undertake that widening of the road is to be done in areas already having adequate clearance. Any tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.

For National Highways Authority of India

  
26/2/18

**P.Nageswara Rao**  
**PD, PIU-Balasore**

**Project Director,**  
**National Highways Authority of India**  
**PIU-BALASORE**



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ई-मेल / e-mail: piubalasore@nhai.org

nhaibalasore@gmail.com

### UNDERTAKING

Sub: Diversion of 67.309 ha. (Originally 85.104 ha. of forest land proposed) of forest land for Rehabilitation and Up-gradation (from existing 2-lane to 4-lane) from Baharagora (Jharkhand Stretch) to Singara Section (199.200 km. to 310.806 km.) (within total stretch of 111.606 km.) of NH-6 in the district of Mayurbhanj in the State of Odisha under NHDP Phase-IV B on Engineering, Procurement and Construction (EPC) Mode – **Forest Diversion Proposal – Stage-I Approval - reg**

Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxi)

It is to undertake that the designing of culverts / bridges, if any, over the natural streams / rivers / canals should be done in such a manner that it does not hamper the natural course of water, does not give rise to water-logging, and also does not hamper movement of wild animals.

For National Highways Authority of India

 26/2/18

**P.Nageswara Rao**  
**PD, PIU-Balasore**

**Project Director,**  
**National Highways Authority of India**  
**PIU-BALASORE**





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

प्लॉट सं - १०८६, चांदमारी पड़ीआ रोड, सहदेवखुण्टा, बालेश्वर - ७५६००१ (ओडिशा)

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxii)

It is to undertake that the fly ash shall be used as per Fly Ash Notification No. S.O.254 (E) dated 25-01-2016 for the road construction and for filling up of void created due to soil borrows, which will be followed by compaction and spreading of top soil over it

For National Highways Authority of India



**P.Nageswara Rao**  
**PD, PIU-Balasore**

**Project Director,**  
**National Highways Authority of India**  
**PIU-BALASORE**





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxiii)

It is to undertake that flanks of roads should filled by transported soil and not with soil dug from the side of the roads.

For National Highways Authority of India

  
26/2/18

**P.Nageswara Rao**  
**PD, PIU-Balasore**

**Project Director,**

**National Highways Authority of India**  
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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxiv)

It is to undertake that no additional or new path will be constructed inside the forest area for any activity related to the project work.

For National Highways Authority of India

*P. Nageswara Rao* 26/2/18

**P. Nageswara Rao**  
**PD, PIU-Balasore**  
**Project Director,**

**National Highways Authority of India**  
**PIU-BALASORE**





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxv)

It is to undertake that during the execution of work no labour camp will be established / allowed in the forest area.

For National Highways Authority of India

  
26/2/18

P. Nageswara Rao

PD, PIU-Balasore

Project Director,

National Highways Authority of India

PIU-BALASORE





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxvi)

It is to undertake that LPG or alternate fuel shall be provided to laboures working at the site to avoid damage/tree felling and ensure to fuel wood use.

For National Highways Authority of India

 26/2/18

**P.Nageswara Rao**  
**PD, PIU-Balasore**

**Project Director,**  
**National Highways Authority of India**  
**PIU-BALASORE**



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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxvii)

It is to undertake that while executing works, we shall not fell any tree or damage forest growth in the surrounding forest area in any manner.

For National Highways Authority of India

**P. Nageswara Rao**

**PD, PIU-Balasore**

**Project Director,**

**National Highways Authority of India**

**PIU-BALASORE**





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxviii)

It is to undertake that 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 user agency, department or person without prior approval of Ministry of Environment, Forest & Climate Change.

For National Highways Authority of India

  
28/1/18

**P. Nageswara Rao**  
**PD, PIU-Balasore**  
**Project Director,**

**National Highway Authority of India**  
**PIU-BALASORE**





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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxix)

It is to undertake that the layout plan of the proposed forest land shall not be changed without prior approval of Ministry of Environment, Forest & Climate Change.

For National Highways Authority of India

*P. Nageswara Rao*  
26/2/18

**P. Nageswara Rao**

**PD, PIU-Balasore**

**Project Director,**

**National Highways Authority of India**

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Ref: Conservator of Forest (Central), Ministry of Environment, Forest & Climate Change letter No.ORA313/2017-BHU dated 12.09.2017.

### Condition No. (xxxii)

It is to undertake that the provisions of all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project shall be complied.

For National Highways Authority of India



**P.Nageswara Rao**  
**PD, PIU-Balasore**  
**Project Director,**

**National Highway Authority of India**  
**PIU-BALASORE**



## AGENCY COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 28-11-2017

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550169
Location .	ORRISA
Address .	O.T. Road, Near White House Clinic Balasore
Amount( in Rs)	61522966/-

Amount in Words : Six Crore Fifteen Lakh Twenty-Two  
Thousand Nin Hundred and Sixty-Six Rupees Only

NEFT/RTGS to be made as per following  
details ;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550169
Bank Name & Address :	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

- This Challan is strictly to be used for making  
payment to CAMPA by NEFT/RTGS only

## BANK COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

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Address:	O.T. Road, Near White House Clinic Balasore
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Amount in Words : Six Crore Fifteen Lakh Twenty-Two  
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- This Challan is strictly to be used for making  
payment to CAMPA by NEFT/RTGS only

After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskampa@corpbank.co.in](mailto:helpdeskampa@corpbank.co.in)



## AGENCY COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 23-02-2018

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550708
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	17363300/-

Amount in Words : One Crore Seventy-Three Lakh Sixty-Three  
Thousand Three Hundred Rupees Only

NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550708
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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SYNBR 9201822600172080



26-02-2018

SYNBR



GOVT. OF ODISHA  
FOREST AND ENVIRONMENT DEPARTMENT

SCHEME FOR  
COMPENSATORY AFFORESTATION OVER 178.328 HA.

OF  
DEGRADED FOREST LAND IDENTIFIED IN  
KARADA DPF, DALIMBADIHI<sup>Rev. F</sup>, BARPANI &  
JATIA RF  
UNDER BANKI & BIRAMITRAPUR RANGE  
OF  
ROURKELA FOREST DIVISION

AGAINST FOUR LANING OF EXISTING BAHARAGORA  
TO SINGHARA SECTION OF NH- 6 (NE NH No.49/53)  
OF  
STATE OF ODISHA

## CHAPTER- I

### BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

Four Laning of existing Baharagora to Singhara Section of NH-6(Ne NH No.49/53) in the State of Odisha of Mayurbhanja District proposed to be done as per National Highway Authority of India. The proposal for raising of Compensatory afforestation against the diverted forest land for four laning of afforsaid has been identified in Banki and Biramitrapur Range of Rourkela Forest Division. The scheme has been so formulated as per the Guide lines of the Principal Chief Conservator of Forest , Odisha to execute Compensatory afforestation scheme over an area of 178.328 Ha. in ANR with gap mode in the following locations of Rourkela Forest Division.

Name of Range	Name of Site	Area in Ha.
Banki Range	Karada DPF	44.843 Ha.
	•Dalimbadihi Rev. F	54.407 Ha.
Biramitrapur Range	Barpani RF	55.126 Ha.
	Jatia RF	23.952 ha
	Grand Total:-	178.328 Ha.



## CHAPTER- II

### DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION

#### IDENTIFICATION OF DEGRADED FOREST LAND

##### II(1)- Details of identified Forest land-

The identified Forest land for Compensatory Afforestation is situated in Karada DPF, Dalimbadihi RF, Barpani RF & Jatia RF of Banki & Biramitrapur Forest Range in Rourkela Forest Division over an area of 178.328 Ha.

##### II(2)- Character of existing vegetation of the identified site for Compensatory Afforestation-

The prevailing forest growth has been categorized under forest type- 3C/C2e Moist Peninsular Valley Sal and 5B/C2 Northern Dry Mixed Deciduous Forest. The vegetation consists of Sal and its associates like Jamu, Piasal, Asana, Arjun, Kuruma, Dhaura, Sidha, Harida, Bahada, Piasal, Teak etc. with profuse regeneration of Sal and its associates.

##### II(3)- Identified site for Compensatory Afforestation-

The prescribed objectives of management for the identified forest block is depicted hereunder-

- ANR gap planting mode of regeneration of degraded forest block by providing silvicultural input.
- Ensuring intensive Soil & Moisture Conservation Measures to enrich the micro-edaphic conditions.
- Tending the existing crop for maximum growth and improving the density condition and composition of the crop.

##### II(4)- Suitability of the identified site for Compensatory Afforestation-

The identified site in Karada DPF, Dalimbadihi RF, Barpani RF & Jatia RF in degraded patches with existing vegetation of Sal and Sal associates. Gaps are sporadically spread over the forest block. The topography of the area is mainly undulating plain having good depth of laterite vein quartz mixed soil conducive for plantation under ANR with Gap model @200 seedling per ha. The average maximum temperature is 40° to 45°C and minimum 5° to 10° C and annual rainfall varies from 1100 mm to 1800 mm. The maximum rainfall is received during the rainy season from July to September. The identified site is situated adjacent to village Karada, Dalimbadihi, Barpani, Jatia & Kokerema. The site has been demarcated with 4 feet RCC pillars with erection of durable signboard depicting Scheme, Year, User Agency, Area etc. on it. Therefore, the CA scheme is envisaged to be executed with involvement of Karada, Dalimbadihi, Barpani, Jatia & Kokerema VSS.

### CHAPTER-III

#### DELINEATION OF PROPOSED AREA ON SUITABLE MAP

##### III(1)- GPS COORDINATES AND GPS MAP OF THE COMPENSATORY AFFORESTATION SITE

The area has been demarcated through DGPS survey and DGPS survey data showing DGPS Co-Ordinates of CA land boundary pillars are enclosed in the map prepared thereon (Maps enclosed).

### CHAPTER- IV

#### AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

##### IV(1)- AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

The user agency shall provide funds for raising Compensatory Afforestation as per approved scheme.

##### IV(2)- AGENCY RESPONSIBLE FOR EXECUTION OF COMPENSATORY AFFORESTATION

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Rourkela Division will be assigned with the task for execution of the Compensatory Afforestation.



## CHAPTER- V

### DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

#### A. PLANTING PLAN

Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc. Specific treatment of the site in terms of soil and moisture conservation intervention will be depicted in the treatment map. A treatment map will invariably be prepared for Species to be planted and treatments to be applied to the different patches shown in the treatment map and planting plan. This plan will be followed when actual planting is carried out.

##### Species to be planted:-

1. *Sizyziumcumini*(Jamu)
2. *Pterocarpus Marsupium* (Piasal)
3. *Anogeissuslatifolia*(Dhaura)
4. *Accacia catechu* (Khair)
5. *Dalbergia latifolia* (Pahadi Sissoo)
6. *Azadirrachta indica*(Neem)
7. *Gmelina arborea* (Gambar)
8. *Terminalia belerica*(Bahada)
9. *Terminalia chebula*(Harida)
10. *Pongamia pinnata* (Karanja)
11. *Emblicao ffcinalis* (Ainla)
12. *Lannea coromandelica*(Moi)
13. *Tectona grandis*(Teak)
14. *Oroxylum indicun*(Phanphena)
15. *Bauhinia vahlii* (Siali)
16. *Mangifera Indica* (Mango)
17. *D. Strictus*(Bamboo)

#### B.PRE-PLANTING OPERATION

##### B(I)-RAISING OF PLANTATION STOCK- NURSERY-

Nursery has to be raised to get 6 months old seedlings for success of the Compensatory Afforestation @220 seedlings per ha. including seedlings for 10% causality replacement.



#### B(II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. DGPS map in the scale of 1:4000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map. A sign board has been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

#### B(III)-SITE PREPARATION AND SILVICULTURAL OPERATION INCLUDING CLEARANCE OF WEED, CLIMBER CUTTING, HIGH STUMP CUTTING, SINGLING OF SHOOTS-

The clearing of the site involving removal of invasive weeds, bushes, climbers, high stumps and singling of shoots will be taken up preferably by the end of February and latest by the end of March. Pits of the dimension 45 x 45 x 45 cm. will be dug @200 per ha. in the available gaps preferably 2 months before or at least a month before planting of seedlings.

#### C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene covering of the balls of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel as a final step so that there is a proper bond between the ball and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

#### D. POST PLANTING OPERATION

##### D(1)-CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

##### D(2)-WEEDING AND SOIL WORKING

Regular and efficient weeding will start immediately after sprouting of the stumps is complete or after the seedlings have started throwing up new buds.

##### D(3)-MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards chemical fertilizers, the minerals required and dosage @ 50 grams of patent mixtures like 'Gromor' or N.P.K. (2:2:1) will be applied in two split doses one in August and the other in September.



#### D(4)-SOIL MOISTURE CONSERVATION MEASURES

Soil Moisture Conservation Measures will be taken up through construction of staggered trenches of dimension 2.5 x 0.5 x 0.5 mtr. to the tune of 60 Nos. per ha over 178.328 ha.

#### D(5)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

Fire line tracing will be ensured to protect the plantation from fire hazard and watch & ward will be provided as per the approved norm for protecting the plantation from grazing since adjoining area is having high nos of tree. Infusion of cattle proof trench against biotic interference with involvement of Karada, Dalimbadihi, Barpani, jatia & Kokerema VSS has been provided in the scheme. Incentives to be VSS towards protection of forest from fire hazard has been included in the scheme.

#### D(6)-SPECIAL SOIL CONSERVATION MEASURES PROVIDED IN THE SCHEME

To enrich the micro-edaphic condition & ensure maximum conservation of soil & water through proper special soil conservation measures with the involvement of local people is proposed. The most conspicuous manner of logging precipitation is through run off rain water rainy season. The provision of intensive percolation pits, and staggered contour trencher has been provided in the scheme to arrest the runoff water and to conserve moisture of the locality. There is also a provision LBCD structure of 3mtr span to the tune of 30 Nos. and 2 mtr spans to the tune of 40 Nos over the entire area has been infused in the scheme to check the erosion of the soil of the locality.

#### D(7)-ENTRY POINT ACTIVITIES

To attend to the development activities of the VSS entry point activities provisions has been made in the scheme.

#### D(8) MONITORING & EVALUATION-

Compensatory Afforestation will be taken up in the identified site by the Range Officer, Banki & Biramitrapur Range of Rourkela Forest Division. The Range Officer, Banki & Biramitrapur Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator of Forests, (Affn.) and Divisional Forest Officer, Rourkela Division. GPS co-ordinates along with other required informations of Compensatory Afforestation will be uploaded in the e-Greenwatch Portal of NIC, MoEF, Govt. of India for the purpose of online monitoring. Annual progress of plantation involving growth of planted seedlings, survival percentage etc. will be monitored and recorded in the plantation journal by the field staffs of Biramitrapur & Banki Range and reported to the Divisional Forest Officer for necessary action. The same thing will be reported to the Regional Chief Conservator of Forests, Rourkela Circle and Chief Conservator of Forests (PP&A), O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar and necessary corrective measures will be followed if required so. For regular monitoring by the Range officers and Divisional Forest Officers one Bolero Van is to be provided by the User Agency in the aforesaid scheme.

## CHAPTER - VI

### COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION

#### A. ESTIMATE OF COST FOR 1.00 HA. UNDER ANR PLANTATION MODEL.

0<sup>th</sup> year ( Advance work) Pre-planting operation.

Sl. No.	Item of work	Preferable period of execution	Person days	Labour (₹)	Material (₹)	Total
1	Survey, Demarcation GPS Reading with mapping	Nov-Dec	2	400	0	400
2	Site preparation.	Nov-Dec	2	400	0	400
3	Silvicultural Operation including clearance of weed, climber cutting, high stump cutting, singling of shoots etc	Jan-Feb	5	1000	0	1000
4	Nursery cost (6 month old seedling) part @'9.45/- seedling for 220 seedling.	Jan-March	8	1600	479	2079
5	Contingency and Unforeseen Expenditures		0	0	133	133
	<b>Sub-Total</b>		<b>17</b>	<b>3400</b>	<b>612</b>	<b>4012</b>
<b>1<sup>ST</sup> YEAR OPERATION</b>						
1	Pitting 30 cm cube size	Feb/Mar	6	1200	0	1200
2	Carriage and planting including casualty replacement	Jul/Aug	5	1000	0	1000
3	Complete weeding, Soil working, Manuring	Aug/Sep	6	1200	0	1200
4	Cost of Vermi compost @200gms/ plant @'20/- per Kg= '800.00 and Granular Insecticide 5 gms/ plant @'80/- per Kg= '80.00	Aug/Sep	0	0	880	880
5	Cost of Chemical fertilizer (a) Urea 70 gms/ plant@'6/- per Kg= '84.00 (b)NPK 50 gms/ plant @'24/- per kg= '240.00 as basal dose.		0	0	324	324
6	Silvicultural Operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/ Oct	15	3000	0	3000



7	Soil Conservation Measures (Staggered trenches of dimension 2m X 0.5m X 0.5m @60 nos per ha) or its equivalent	Sep/ Oct	20	4000	0	4000
8	Fire line Tracing and Inspection path	Feb/ Mar	3	600	0	600
9	Watch & ward	Aug-Mar	7	1400	0	1400
10	Contingency and Unforeseen Expenditures		0	0	304	304
	Sub-Total		62	12400	1508	13908
2 <sup>ND</sup> YEAR OPERATION						
1	Casualty Replacement including cost of seedling, carriage and planting	Jul/ Aug	1	200	189	389
2	Complete weeding and cultural operations	Sep/ Oct	2	400	0	400
3	Soil working and manuring	Sep/ Oct	2	400	0	400
4	Cost of Fertilizer and insecticide (a) Vermi compost @200gms/ plant @ `20/- per Kg= `800.00 (b) Granular Insecticides 5 gms/ plant for 20 plants 100 gms @ `80/- per Kg= `8.00	Sep/ Oct	0	0	808	808
5	Soil Conservation Measures (Renovation of staggered trenches etc.)	Sep/ Oct	8	1600	0	1600
6	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
7	Watch & ward (whole year)	Apr/ Mar	7	1400	0	1400
8	Contingency and Unforeseen Expenditures		0	0	181	181
	Sub-Total		21	4200	1178	5378
3 <sup>RD</sup> YEAR OPERATION						
1	Complete weeding and cultural operations	Aug/ Sep	1	200	0	200
2	Soil working	Aug/ Sep	1	200	0	200
3	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
4	Watch & ward (whole year)	Apr-Mar	7	1400	0	1400
5	Contingency and Unforeseen Expenditures		0	0	200	200
	Sub-Total		10	2000	200	2200

4 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
5 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
6 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
7 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
8 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
9 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
10 <sup>TH</sup> YEAR OPERATION						
1	Fireline Tracing and Inspection path	Feb/ Mar	1	200	0	200
2	Watch & ward and cultural operations	Apr-Mar	2	400	0	400
	Sub-Total		3	600	0	600
	Grand Total		131	26200	3498	29698



### ABSTRACT

Year	Person days	Labour	Material	Total
0th Year	17	3400	612	4012
1st Year	62	12400	1508	13908
2nd Year	21	4200	1178	5378
3rd Year	10	2000	200	2200
4th Year	3	600	0	600
5th Year	3	600	0	600
6th Year	3	600	0	600
7th Year	3	600	0	600
8th Year	3	600	0	600
9th Year	3	600	0	600
10th Year	3	600	0	600
Total	131	26200	3498	29698
Total Cost Norm per ha.				29698.00
Total Cost of plantation (178.328 ha.)				5295984.94 or 5295985.00

### ADDITIONAL COST PROPOSED

Special Soil Conservation Measures proposed to be cared out in aforesaid ANR area

Sl. No.	Item of work	Preferable period of execution	Person days	Labour (')	Material (')	Total
1	Percolation Pits of size 1.0mt cube in staggard mannar 100 nos per ha.	Sep-March	32	6400	0	6400
2	Staggered trenches of size 2m X 0.5 m X 0.5m @ 60 Nos per ha.	Sep-March	20	4000	--	4000
3	Provisions has been made to constructed Loose Boulder structure (LBS) in the existing eroded nalas & gais @₹.3000/- pr Ha. on an average.	Sep-March	15	3000	0	3000
	Total:-		67	13400	--	13400
Total Cost Norm per ha.						13400.00
Total Cost of plantation (178.328 ha.)						23,89,595.20



#### EPA ACTIVITIES IN THE VSS AREA COMING UNDER THE PROJECT

Sl. No.	Item of work	Total
1	EPA activities to be carried out on the VSS areas basing on their need & their peripheral developmental activities in their VSS. Total 44 nos of VSS are coming under this project area. Hence it is proposed to provide financial assistances of Rs.2000/- per Ha. per VSS X44 nos VSS.	3,56,656.00
	Total:-	3,56,656.00

#### FIRE PROTECTION THROUGH INVOLVING VSS

Sl. No.	Item of work	Total
1	Provision for incentive to 44 nos. of VSS to check the fire hazard during fire season @ 10,000/- per year per VSS for 10 <sup>th</sup> years	4,00,000.00
	Total:-	4,00,000.00

#### BIOTIC INTERFERENCE (CATTLE PROOF TRENCH)

Sl. No.	Item of work	Preferable period of execution	Person days	Labour (₹)	Material (₹)	Total
1	Cattle proof trench / stone bunding along the boundary. Trench having cross section top-2 mtr, bottom-1 mtr, depth-1.5 mtr . An average of 126 RMT per Ha. provision has been given to check biotic interference	Sep-March	91	18200	0	18200
	Total:-		91	18200	0	18200
Total Cost Norm per ha.						18200
Total Cost of plantation (178.328 ha.)						3245569.6

### TOTAL COST OF PROJECT

1.	Plantation over 178.328 ha @ ₹. 29698.00 per ha.	52,95,984.94 or 52,95,985.00
2	<u>Total additional cost:-</u>  SPECIAL SOIL CONSERVATION MEASURES,..... 23,89,595.20 EPA ACTIVITIES IN THE VSS AREA, .....3,56,656.00 FIRE PROTECTION,..... 4,00,000.00 BIOTIC INTERFERENCE (CATTLE PROOF TRENCH) .....32,45,569.6	63,91,820.8
	Total	1,16,87,805.8
5	Add 20% escalation	23,37,561.16
	Grand Total:-	1,40,25,366.96
6	One four wheeler (Bolero van )vehicle within a cost of ₹.16.00 Lakhs (Rupees Sixteen Lakhs) to be provided by the user agency for monitoring of Compensatory Afforestation	16,00,000.00
	Grand Total:-	1,56,25,366.96 Or 1,56,25,367.00

(Rupees One crore Fifty-six lakhs Twenty-five thousand Three hundred Sixty-seven) Only

#### A. PROVISION OF FUNDS AND FUND UTILIZATION

₹. 1,56,25,367/- (Rupees One crore Fifty-six lakhs Twenty-five thousand Three hundred Sixty-seven) only shall be deposited by the User Agency NHAI on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Rourkela Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

  
 Divisional Forest Officer,  
 Rourkela Forest Division.  
 Rourkela Division



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NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 24-12-2019	
Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550842
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	1344400/-
Amount in Words :Thirteen Lakh Forty-Four Thousand Four Hundred Rupees Only	
NEFT/RTGS to be made as per following details;	
Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550842 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> <li>This challan is valid only for seven days.</li> </ul>	

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Date : 24-12-2019	
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Date : 09-07-2019

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Application No.	6117550994
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	5469200/-

Amount in Words :Fifty-Four Lakh Sixty-Nine Thousand Two  
Hundred Rupees Only

NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550994 Valid only for this challan amount.
Bank Name & Address:	Corporation Bank Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550994
MoEF/SG File No.	5-ORA313/2017-BHU
Location.	ORRISA
Address:	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	5469200/-

Amount in Words :Fifty-Four Lakh Sixty-Nine Thousand Two  
Hundred Rupees Only

NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000371
Pay to Account No.	150826117550994 Valid only for this challan amount.
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Date : 23-02-2018

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550708
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	17363300/-

Amount in Words :One Crore Seventy-Three Lakh Sixty-Three  
Thousand Three Hundred Rupees Only

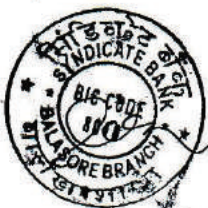
NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550708
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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Date : 23-02-2018

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550708
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	17363300/-

Amount in Words :One Crore Seventy-Three Lakh Sixty-Three  
Thousand Three Hundred Rupees Only

NEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550708
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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26-02-2018

SYNBR



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Date : 28-11-2017

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550169
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	61522966/-

Amount in Words : Six Crore Fifteen Lakh Twenty-Two  
Thousand Nine Hundred and Sixty-Six Rupees Only

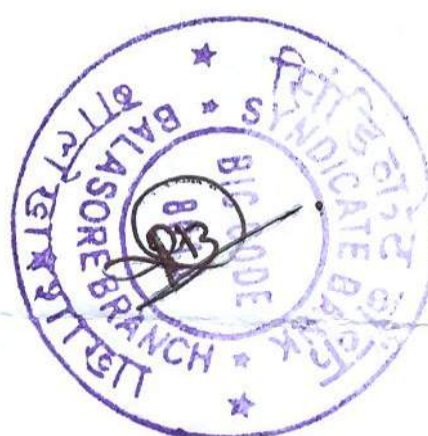
SYNBR92017 1130 000 21249

**NEFT/RTGS to be made as per following  
details;**

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550169
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 12-01-2018

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550787
Location.	ORRISA
Address.	O.T. Road, Near White House Clinic Balasore
Amount (in Rs)	120567000/-

Amount in Words : Twelve Crore Five Lakh Sixty-Seven  
Thousand Rupees OnlyNEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550787
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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Date : 12-01-2018

Agency Name.	NATIONAL HIGHWAY AUTHORITY OF INDIA PIU BALASORE
Application No.	6117550787
Location.	ORRISA
Address:	O.T. Road, Near White House Clinic Balasore
Amount(in Rs)	120567000/-

Amount in Words : Twelve Crore Five Lakh Sixty-Seven  
Thousand Rupees OnlyNEFT/RTGS to be made as per following  
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	150826117550787
Bank Name & Address:	Corporation Bank FCS Bangalore, * Note : The proceeds of the payment will be credited to the respective CAMPA State Account.

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