

INTRODUCTION

Ministry of Environment and Forests, Govt. of India vide their circular No.F.No.-11-9/98-FC, dated 08-07-2011 have stipulated that to ensure accurate delineation of forest area proposed to be diverted for non-forestry purposes under Section-2 of Forest Conservation Act, 1980 the diversion proposal under Forest Conservation Act shall be accompanied by DGPS/ETS surveyed maps of the forest land proposed for diversion and for Compensatory Afforestation.

DGPS/ETS Survey Guidelines:

DGPS survey is undertaken in two methods; Real Time Kinetic mode and Rapid Static mode. In both the methods, primary control points (PCPs) are required to be set up before taking up detailed survey on all pillar positions that compose the forest area.

WHAT IS DGPS AND WHY USE IT?

Differential Global Positioning System (DGPS) is an enhancement to Global Positioning System that provides improved location accuracy, from the 15-meter nominal GPS accuracy to about 10 cm in case of the best implementations. DGPS refers to using a combination of receivers and satellites to reduce/eliminate common receiver based and satellite based errors reduce orbit errors reduce ionospheric and tropospheric errors reduce effects of SA eliminate satellite and receiver clock errors improve accuracy significantly 100's of metres to metres to centimetres to millimetres. DGPS uses one or several (network) fixed ground based reference stations (in known locations).

The base station compares its own known location, to that computed from a GPS receiver.

Any difference is then broadcast as a correction to the user.

Correction signals can be broadcast either from ground stations, or via additional satellites. These services are privately owned and usually require a user subscription.

Methodology

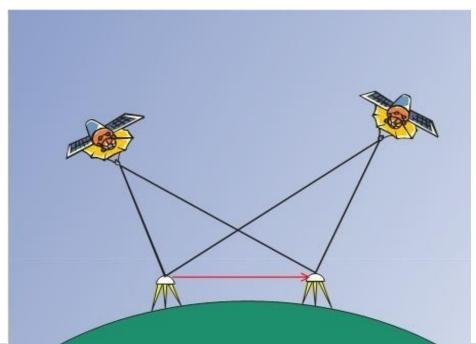
Here for survey of road side forest area recognized for the work **Widening & Upgrading to 2lane of Dharamjaygarh to Kapu road, District- Raigarh(C.G)**.DGPS survey is undertaken in Real Time Kinetic Mode (RTK).

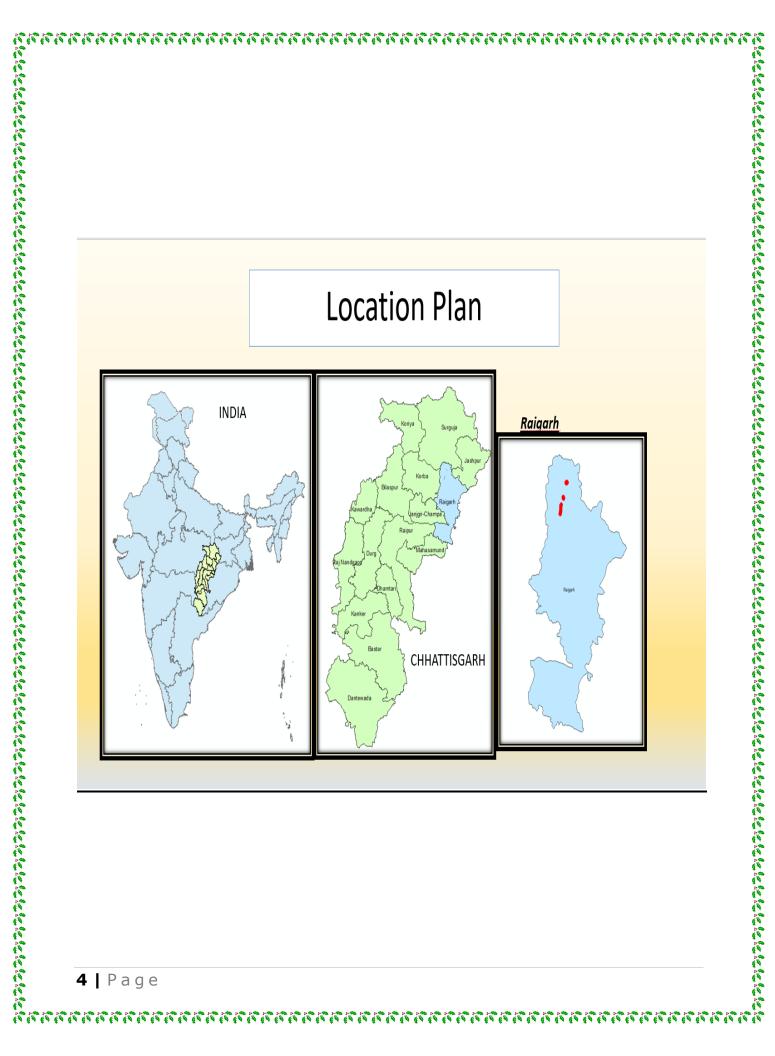
a. Establishment of Primary Control Points (Base Stations):

Two nos. of Primery control point (Base Station) has been established within the area and their Geo coordinates are taken with the help of Dual frequency DGPS survey machine through static mode of simultaneous and uninterrupted observation of 2.5 Hrs.

b. Geo-coordinates of other pillar positions:

The geo-coordinates of other pillar positions (SCPs) are determined through RTK mode of observations, with reference to the Base Stations with the help of Dual frequency DGPS survey machine in kinetic mode.







कार्यालय कलेक्टर (भू – अभिलेख शाखा) जिला रायगढ (छ०ग०)

कमांक 95/ /भू अ.लि./2019

रायगढ दिनांक 25/67/ 2019

सचिव

छ.ग. शासन

राजस्व एवं आपदा प्रबंधन विभाग

मंत्रालय महानदी भवन नया रायपुर (छ.ग.)

विषय :- छ0ग0 राज्य सडक परियोजना (ए.डी.बी. लोन -3) के अंतर्गत धरमजयगढ कापू मार्ग के उन्नयन एवं पुनर्निर्माण कार्य में आने वाले राजस्व वन भूमि के गैर वानिकी प्रयोजन हेतु अनापत्ति प्रमाण पत्र बाबत्।

संदर्भ :- परियोजना प्रबंधक (ए.डी.बी लोन 3) छत्तीसगढ विकास परियोजना लो. नि. वि. बिलासपुर का ज्ञापन कमांक 350/तक/ल-3/ए.डी.बी../2017-18 बिलासपुर दिनांक 08/3/2018।

विषयांतर्गत संदर्भित पत्र का अवलोकन करने का कष्ट करें। परियोजना प्रबंधक (ए.डी. बी. लोन —3) छत्तीसगढ विकास परियोजना लो. नि. वि. बिलासपुर द्वारा रायगढ जिले के धरमजयगढ — कापू मार्ग कुल लंबाई 32. 87 कि. मी. के उन्नयन एवं पुनर्निमाण कार्य के लिये प्रस्तावित ए.डी. बी. परियोजना को स्वीकृति प्रदान किये जाने के फलस्वरूप उक्त परियोजना मे प्रभावित कुल राजस्व वन भूमि 4.832 हे. जो अभिलेख मे बड़े झाड़ के जंगल मद मे दर्ज है को गैर वानिकी प्रयोजन वन संरक्षण अधिनियम 1980 के तहत् अनापत्ति चाही गई है। आवेदित भूमि के संबंध मे अनुविभागीय अधिकारी (राजस्व) धरमजयगढ द्वारा निम्नांकित भूमि के लिये आवेदक कंपनी को अनापत्ति प्रमाण पत्र प्रदाय किये जाने मे किसी प्रकार का आपत्ति नहीं होने को लेख किया गया है।

कमांक	तहसील का नाम	ग्राम का	राजस्व वन भूमि		प्रभावित	भूमि का मद	
		नाम	खसरा नंबर	कुल रकबा	रकबा (हे. मे)		
1	2	3	4	5	6	7	
1	धरमजयगढ	धरमजयगढ	1303 / 1क / 1	2.263	0.434	बडे झाड का जंगल	
-			1304/10/1	8.044	0.650	बर्ड झाड का जंगल	
			1310/1क/1	24.850	0.344	बडे झाड का जंगल	
			1311/1क/1	165.967	0.902	बडे झाड का जंगल	
2	1	मिरीगुडा	558 / 1क	12.031	0.830	बडे झाड का जंगल	
			558 / 9क 560 / 1क	60.813	1.132	बडे झाड का जंगल	
			209/1क	11.096	0.540	बडे झाड का जंगल	
महायोग		02	08		4.832		

अतः अनुविभागीय अधिकारी (रा.) धरमजयगढ के प्रतिवेदन के अनुसार प्रश्नाधिन भू — खण्ड बड़े झाड के जंगल मद की भूमि को गैरवानिकी प्रयोजन हेतु व्यपवर्तन कर उपयोग में लाने के लिये वरिष्ठ कार्यालय को आवेदन देने पर इस कार्यालय को कोई आपत्ति नहीं है।

उपरोक्तानुसार अनापित्त भेजने को तात्पर्य यह कदापी नही माना जावेगी की उपर्युक्त भूमि आवेदक कंपनी को हस्तांतरित करने का निर्णय लिया जा चुका है। 🖫 रायगढ (छ.ग.) पृ.कमांक 951 हो / भू.अ.लि. / 2019 रायगढ दिनांक 25-1071...2019 प्रतिलिपी :-(1) वन मंडलाधिकारी वन मंडल धरमजयगढ को सूचनार्थ । (२) कार्यालय परियोजना प्रबंधक (ए.डी.बी.प्रोजेक्ट) छ०ग० सडक विकास लो. नि. वि. बिलासपुर (छ.ग.) की ओर सूचनार्थ ।

		FrestArea I	Details		
Sr. No.	Forest Range	Division	Compartment No.	Forest Type	Area in Hectare
1	Dharamjaygarh	Dharamjaygarh	360	PF	0.213
2	Dharamjaygarh	Dharamjaygarh	355	PF	0.311
3	Dharamjaygarh	Dharamjaygarh	354	PF	0.626
4	Boro	Dharamjaygarh	641	RF	0.462
5	Boro	Dharamjaygarh	629	PF	0.486
6	Kapu	Dharamjaygarh	80	RF	1.762
7	Kapu	Dharamjaygarh	35	RF	1.773
				Total	5.633
	<u> </u>	DETAILS OF REVENU	E FOREST AREA	T	T
Sr.No.	District	Tehsil	Village	Khasra no.	Areain Hectare
1	Raigarh	Dharamjaygarh	Dharamjaygarh	1303/1K/1	0.434
2				1304/1K/1	0.65
3				1310/1K/1	0.344
4				1311/1K/1	0.902
5			Miriguda	558/1k	0.83
				558/9k	
6				560/1k	1.132
7				209/1K	0.54
			1	Total	4.832
	-	PROTECTED FOREST	1.636	_	
	-	RESERVED FOREST	3.997	_	
	-	REVENUE FOREST	4.832	_	
	<u>[</u>	TOTAL FORESTAREA	10.465 Ha.		
•	न परिक्षेत्र अधिकारी परिक्षेत्र बोडे यन परिक्षात्राचि	वन परिकेत अधिकारी: जपू(सा.) उपवन म धरमजयगढ	G.G. Road De P.W.D. B	et Manager 3 Project) evelopment Project illaspur(C.G.) antigentiation antigentiation antigentiation antigentiation antigentiation antigentiation antigentiation antigentiation antigentiation	रा
			व धर	नुपण्डली धिक मज्ञेथशह वर्ज म	

PROTECTED FOREST	1.636
RESERVED FOREST	3.997
REVENUE FOREST	4.832
TOTAL FORESTAREA	10.465 Ha.

Base StationPF 360,355, 354				
Pillar Id	Latitude (DMS)	Longitude (DMS)		
Base Station	N22°30'19.23''	E83°13'17.26''		

PF 360				
Pillar Id	Latitude (DMS)	Longitude (DMS)		
PL1	N22°29'47.13''	E83°13'10.08"		
PL2	N22°29'49.91''	E83°13'10.97''		
PR1	N22°29'44.07''	E83°13'10.78''		
PR2	N22°29'47.13''	E83°13'10.57''		
PR3	N22°29'49.78''	E83°13'11.45"		
PR4	N22°29'50.77''	E83°13'11.89''		

PF 355				
Pillar Id	Latitude (DMS)	Longitude (DMS)		
PR5	N22°30'08.91''	E83°13'18.25''		
PR6	N22°30'13.61"	E83°13'18.98''		
PR7	N22°30'18.27''	E83°13'17.57''		
PR8	N22°30'19.86''	E83°13'17.10''		
PR9	N22°30'23.03"	E83°13'16.54''		

	CO-ORDINA	ATF LIST
г	<u>CO-ORDINA</u> Oharamjaygarh F	
<u>-</u>	<u> </u>	Olest Division
Date of S	urvey March 6 th to 8 th	2018 Time 09:15 to 18:0
<u>Date of S</u>	divey Haich o to o	2010 Time 05.15 to 10.0
	Base StationPF 36	60,355, 354
Pillar Id	Latitude (DMS)	Longitude (DMS)
Base Station	N22°30'19.23"	E83°13'17.26''
	DGPS SURVE	Y POINTS
B:II	PF 360	(2246)
Pillar Id	Latitude (DMS)	Longitude (DMS)
PL1 PL2	N22°29'47.13'' N22°29'49.91''	E83°13'10.08" E83°13'10.97"
PL2 PR1	N22 29 49.91 N22°29'44.07''	E83 13 10.97 E83°13'10.78"
PR2	N22°29'47.13''	E83°13'10.57"
PR3	N22°29'49.78''	E83°13'11.45"
PR4	N22°29'50.77''	E83°13'11.89"
1114	1422 23 30.77	203 13 11.03
Dillocatel	PF 355	Longitude (DMS)
Pillar Id	Latitude (DMS)	
PR5 PR6	N22°30'08.91'' N22°30'13.61''	E83°13'18.25'' E83°13'18.98''
PR7	N22°30'13.61	E83°13'17.57''
PR8	N22°30'19.86''	E83°13'17.10"
PR9	N22°30'23.03"	E83°13'16.54''
	PF 354	
Pillar Id	Latitude (DMS)	Longitude (DMS)
PL10	N22°30'49.25"	E83°13'16.28"
PL11	N22°30'53.27"	E83°13'17.46"
PL12	N22°30'55.47"	E83°13'18.02"
PL13	N22°30'58.96"	E83°13'17.92"
PL14	N22°31'03.47''	E83°13'17.32''
PR10	N22°30'49.19"	E83°13'16.77"
PR11	N22°30'53.11"	E83°13'17.92''
PR12	N22°30'55.42"	E83°13'18.51"
PR13	N22°30'59.00''	E83°13'18.41''
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PR14	N22°31'03.51''			E83°13'17.81"	
Base Station RF 641,PF 629					
Pillar Id		Latitude (DMS)		Longitude (DMS)	
Base Statio	n	N22°33'59.31''		E83°14'39.39''	

PR14	N22°31'03.51"	E83°13'17.81''
l	Base Station RF 6	
Pillar Id	Latitude (DMS)	Longitude (DMS)
Base Station	N22°33'59.31"	E83°14'39.39''
	RF 641	
Pillar Id	Latitude (DMS)	Longitude (DMS)
PL17	N22°33'43.01''	E83°14'43.63"
PL15	N22°33'40.78''	E83°14'46.98"
PL16	N22°33'41.70''	E83°14'44.11"
PL18	N22°33'47.85''	E83°14'43.05"
PL19	N22°33'49.49''	E83°14'42.39''
PR15	N22°33'41.22''	E83°14'47.11"
PR16	N22°33'41.97''	E83°14'44.50''
PR17	N22°33'43.11''	E83°14'44.12"
PR18	N22°33'47.94''	E83°14'43.54"
PR19	N22°33'49.65''	E83°14'42.85"
PL20 PL21 PL22 PL23 PR20 PR21 PR22 PR23 PR24 PR25	N22°33'51.70'' N22°33'54.54'' N22°33'56.97'' N22°34'00.82'' N22°33'51.78'' N22°33'54.79'' N22°33'57.08'' N22°34'00.80'' N22°34'02.30'' N22°34'04.20''	E83°14'41.66" E83°14'40.47" E83°14'39.36" E83°14'38.87" E83°14'42.14" E83°14'39.84" E83°14'39.36" E83°14'39.51" E83°14'39.72" 5,80 Longitude (DMS) E83°16'45.13" Longitude (DMS) E83°16'18.83" E83°16'14.99"
	Base station RF 35	5, 80
Pillar Id	Latitude (DMS)	Longitude (DMS)
Base station	N22°38'40.11"	E83°16'45.13''
Dilloudd	RF 80	Laurette de (Dago)
Pillar Id	Latitude (DMS)	Longitude (DMS)
PR26	N22°38'30.98''	E83°16'18.83''
PR27	N22°38'32.34"	E83°16'14.99''

	PF 629				
Pillar Id	Latitude (DMS)	Longitude (DMS)			
PL20	N22°33'51.70''	E83°14'41.66"			
PL21	N22°33'54.54''	E83°14'40.47''			
PL22	N22°33'56.97''	E83°14'39.36"			
PL23	N22°34'00.82''	E83°14'38.87"			
PR20	N22°33'51.78"	E83°14'42.14"			
PR21	N22°33'54.79''	E83°14'40.88''			
PR22	N22°33'57.08''	E83°14'39.84"			
PR23	N22°34'00.80''	E83°14'39.36"			
PR24	N22°34'02.30''	E83°14'39.51''			
PR25	N22°34'04.20''	E83°14'39.72''			

Base station RF 35, 80			
Pillar Id	Latitude (DMS)	Longitude (DMS)	
Base station	N22°38'40.11''	E83°16'45.13''	

	RF 80	
Pillar Id	Latitude (DMS)	Longitude (DMS)
PR26	N22°38'30.98''	E83°16'18.83''
PR27	N22°38'32.34''	E83°16'14.99''

PR28 PR29 PR30 PR31 PR32	N22°38'35.90'' N22°38'36.57''	E83°16'12.23''
PR30 PR31		E83°16'10.81''
PR31	N22°38'39.68''	E83°16'08.62''
	N22°38'40.31''	E83°16'10.55''
	N22°38'39.84"	E83°16'13.41''
PR33	N22°38'38.62''	E83°16'13.82"
PR34	N22°38'38.85"	E83°16'16.31"
PR35	N22°38'37.02''	E83°16'17.56"
PR36	N22°38'37.12''	E83°16'21.96''
PR37	N22°38'35.71''	E83°16'26.50''
PR38	N22°38'33.90''	E83°16'29.51''
PR39	N22°38'31.79''	E83°16'32.99''
PR40	N22°38'35.14''	E83°16'33.04''
PR41	N22°38'39.89''	E83°16'28.98''
PR42	N22°38'43.75''	E83°16'27.82''
PR43	N22°38'44.76''	E83°16'26.46''
PR44	N22°38'43.35''	E83°16'35.06''
PR45	N22°38'40.32''	E83°16'43.05''
PR47	N22°38'39.63''	E83°16'48.60''
	RF 35	
Pillar Id	RF 35 Latitude (DMS)	Longitude (DMS)
Pillar Id PL26	RF 35 Latitude (DMS) N22°38'30.69"	Longitude (DMS) E83°16'18.44''
Pillar Id PL26 PL27	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12"	Longitude (DMS) E83°16'18.44'' E83°16'14.55''
Pillar Id PL26 PL27 PL28	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46"	Longitude (DMS) E83°16'18.44'' E83°16'14.55'' E83°16'12.06''
Pillar Id PL26 PL27 PL28 PL29	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42"
Pillar Id PL26 PL27 PL28 PL29 PL30	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'13.76"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'38.88" N22°38'39.31"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34 PL35	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'38.88" N22°38'39.31" N22°38'37.49"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23" E83°16'16.35" E83°16'17.59"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL32 PL33 PL34 PL35 PL36	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'38.88" N22°38'37.49" N22°38'37.57"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23" E83°16'17.59" E83°16'17.59"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34 PL35 PL36 PL37	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'39.31" N22°38'37.49" N22°38'37.57" N22°38'36.08"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23" E83°16'17.59" E83°16'17.59" E83°16'22.03" E83°16'26.79"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34 PL35 PL36 PL37 PL38	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'38.88" N22°38'39.31" N22°38'37.49" N22°38'37.57" N22°38'36.08" N22°38'34.26"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23" E83°16'17.59" E83°16'22.03" E83°16'26.79" E83°16'29.82"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34 PL35 PL36 PL37 PL38 PL39	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'38.88" N22°38'37.57" N22°38'37.57" N22°38'36.08" N22°38'34.26" N22°38'34.26" N22°38'32.13"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'14.23" E83°16'14.23" E83°16'17.59" E83°16'22.03" E83°16'26.79" E83°16'29.82" E83°16'32.66"
Pillar Id PL26 PL27 PL28 PL29 PL30 PL31 PL32 PL33 PL34 PL35 PL36 PL37 PL38 PL39 PL40	RF 35 Latitude (DMS) N22°38'30.69" N22°38'32.12" N22°38'35.46" N22°38'36.30" N22°38'39.73" N22°38'40.76" N22°38'40.16" N22°38'39.31" N22°38'37.49" N22°38'37.57" N22°38'37.57" N22°38'34.26" N22°38'32.13" N22°38'35.29"	Longitude (DMS) E83°16'18.44" E83°16'14.55" E83°16'12.06" E83°16'10.42" E83°16'08.13" E83°16'10.59" E83°16'13.76" E83°16'14.23" E83°16'17.59" E83°16'22.03" E83°16'29.82" E83°16'32.66" E83°16'32.58" E83°16'32.58"

RF 35		
Pillar Id	Latitude (DMS)	Longitude (DMS)
PL26	N22°38'30.69"	E83°16'18.44''
PL27	N22°38'32.12''	E83°16'14.55''
PL28	N22°38'35.46"	E83°16'12.06''
PL29	N22°38'36.30"	E83°16'10.42''
PL30	N22°38'39.73''	E83°16'08.13''
PL31	N22°38'40.76''	E83°16'10.59''
PL32	N22°38'40.16''	E83°16'13.76"
PL33	N22°38'38.88"	E83°16'14.23''
PL34	N22°38'39.31"	E83°16'16.35''
PL35	N22°38'37.49"	E83°16'17.59''
PL36	N22°38'37.57''	E83°16'22.03''
PL37	N22°38'36.08''	E83°16'26.79''
PL38	N22°38'34.26"	E83°16'29.82''
PL39	N22°38'32.13"	E83°16'32.66"
PL40	N22°38'35.29"	E83°16'32.58"
PL41	N22°38'39.79"	E83°16'28.51"

PL42	N22°38'43.37"	E83°16'27.55"
PL43	N22°38'44.98"	E83°16'26.03"
PL44	N22°38'43.70''	E83°16'35.38"
PL45	N22°38'40.78''	E83°16'43.08''
PL46	N22°38'40.08''	E83°16'48.63''
बने विरक्षित्र परिकेत्र यन व	वन परिकेत अधिकासे काष्ट्रिकासे	Project Manager (ADB Project) G.G. Road Development Project P.W.D. Bilaspur(C.G.) विकारी अप प्रमण्डलाधिकार। अनुमा उपक्रमण्डल
		E83°16'27.55" E83°16'26.03" E83°16'35.38" E83°16'43.08" E83°16'48.63" Project Manager (ADB Project) Rw.D. Bilaspur(C.G.) THE THOUGH THE TOTAL TH

