

ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ,
ಪ್ರಾದೇಶಿಕ ಅರಣ್ಯ ವಿಭಾಗ, ಬೀದರ.

ಸಂಖ್ಯೆ:ಎ5:Greenkosolarenergy:ಸಿಆರ್-32/2019-20 / 172 / 173 ದಿನಾಂಕ: 11.06.2020

ಇವರಿಗೆ,

ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಗಳು,
ಘಟಪ್ರಭಾ ವಿಭಾಗ,
ಗೋಕಾಕ

ಮಾನ್ಯರೆ,

ವಿಷಯ : Identification of private land for compensatory afforestation (CA) request for issue of suitability certificate.

Diversion of 160.4 hectare (revised from 169.97 ha) of forest land in Karlakatti, Chakrageri and Kagihal Villages. Savadatti (Saundatti) Taluka. Belagavi District (Ghataprabha Division. Gokak) for construction of Standalone Pumped Storage Component of Saundatti Interated Renewable Energy Project (IREP) in favour of the M/s Greenko Solar Energy Private Limited, Hyderabad.

Proposal No. FP/KA/HYD/37723/2018.

- ಉಲ್ಲೇಖ:
- 1) Greenko solar energy private ltd. Bangalore letter no. Saudatti:psp: Forest:CALand:2018121 Dated: 17.12.2018 & Recived Date: 14.11.2019
 - 2) Old File No. A5(2).GFL.CR-27/2018-19, E-office File No. KFD/HOFF/A5-2(GFL)/66/2018-FC, Dated: 10.06.2020.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, Greenko Solar Private Ltd. Bangalore ರವರು ಗೋಕಾಕ ವಿಭಾಗದ ಸವದತ್ತಿ ವಲಯದಲ್ಲಿ Standalone pumped storage component of saudatti IREP ಅರಣ್ಯೇತರ ಚಟುವಟಿಕೆಗಳಿಗಾಗಿ 160.4 ಹೆ. ಅರಣ್ಯ ಭೂಮಿಯನ್ನು ಭೂಪರಿವರ್ತನೆಗಾಗಿ ಅಂತರ್ಜಾಲದಲ್ಲಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಿದ್ದು ಸದರಿ ಅರಣ್ಯ ಪ್ರದೇಶದ ಬದಲಾಗಿ ಪರಿಹಾರಾತ್ಮಕ ನೆಡುತೋಪು ಬೆಳೆಸಲು ಉಪಯೋಗಿ ಸಂಸ್ಥೆಯವರು ಬೀದರ ಜಿಲ್ಲೆಯ ಕಮಲನಗರ (ಬಿರಾದ) ತಾಲೂಕಿನ ದಾಬಕಾ ಹೊಬಳಿಯ ದಾಬಕಾ ಮತ್ತು ಚಿಮ್ಮೆಗಾವ ಗ್ರಾಮಗಳಲ್ಲಿ ಸರ್ವೆ ನಂಬರಗಳನ್ನು ಗುರುತಿಸಿ, ಅರಣ್ಯ ಶಾಸ್ತ್ರ ವಿಶ್ವವಿದ್ಯಾಲಯ ಶಿರಸಿಯ ಪರಿಣಿತ ತಂಡದವರ ಮಣ್ಣು ಪರೀಕ್ಷೆಯ ಪರದಿಯನ್ನು ಈ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಿ ಉಲ್ಲೇಖ (1)ರನ್ವಯ Suitability Certificate ನೀಡಲು ಕೋರಿರುತ್ತಾರೆ.

ದಿನಾಂಕ: 26.02.2020ರಂದು ಪರಿಹಾರಾತ್ಮಕ ನೆಡುತೋಪು ಬೆಳೆಸಲು ಉಪಯೋಗಿ ಸಂಸ್ಥೆಯವರು ಗುರುತಿಸಲಾದ ದಾಬಕಾ ಮತ್ತು ಚಿಮ್ಮೆಗಾಂವ ಗ್ರಾಮದ ಸರ್ವೆ ನಂಬರಗಳ 161 ಹೆಕ್ಟರ್ ಪ್ರದೇಶವನ್ನು ತಪಾಸಣೆ ಮಾಡಲಾಗಿ ಸದರಿ ಪ್ರದೇಶವು ದಾಬಕಾ ಪರಿಭಾವಿತ ಅರಣ್ಯ ಸರ್ವೆ ನಂಬರ 150ಕ್ಕೆ ಗಡಿ ಹೊಂದಿಕೊಂಡಿರುತ್ತದೆ. ಅಳವಿನಂಚಿನಲ್ಲಿರುವ ಕರಿ ನವಿಲು (Lesser florican) ಸಂತತಿಯ ಉಳಿವಿಗಾಗಿ ಸೂಕ್ತಪ್ರದೇಶವಾಗಿರುತ್ತದೆ. ಪರಿಣತಿ ತಂಡದವರು ಸಲ್ಲಿಸಿದ ಮಣ್ಣು ಪರೀಕ್ಷೆ ವರದಿಯನ್ನು ಪರಿಶೀಲಿಸಲಾಗಿ ಸದರಿ ಪ್ರದೇಶವು ಪರಿಹಾರಾತ್ಮಕ ನೆಡುತೋಪು ಬೆಳೆಸಲು ಸೂಕ್ತವಾಗಿರುತ್ತದೆ.

ಉಲ್ಲೇಖ (2)ರ ಪತ್ರದನ್ವಯ ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಗಳು, (ಅರಣ್ಯ ಸಂರಕ್ಷಣೆ), ನೋಡಲ್ ಅಧಿಕಾರಿ (ಅಸಂಕಾ), ಬೆಂಗಳೂರು ರವರ ಸೂಚಿಸಿರುವಂತೆ ಈ ಕೆಳಕಂಡ ಮಾಹಿತಿಗಳನ್ನು ಮುಂದಿನ ಸೂಕ್ತ ಕ್ರಮಕ್ಕಾಗಿ ಸಲ್ಲಿಸಲಾಗಿದೆ.

- ಲಗತ್ತು:-
- 1) CA Land suitability Certificate (Form-B)
 - 2) Details of CA Scheme and Datasheet
 - 3) Site Inspection photos
 - 4) Sy. No. list Dabaka & Chimmegaon Villages & GPS Co-ordinates
 - 5) Polygon of CA land
 - 6) Toposheet & Village Map
 - 7) Soil sample report

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಉಪ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಗಳು,
ಪ್ರಾದೇಶಿಕ ವಿಭಾಗ, ಬೀದರ

✓ Copy to The Deputy General Manager, Greenko Solar Energy Private Limited., and
Hyderabad-033 Tellangana for kind information.

FORMAT – B

CA LAND SUITABILITY CERTIFICATE UNDER FCA 1980

[Cases where proposed non-forest CA land cannot support the prescribed planting density of 1000 plants per hectare and it is necessary to plant the balance number of plants in degraded forest land (40% canopy density) as per Working Plan prescriptions in accordance with Government of India FC Guidelines F. No. 11-423/2011-FC dated 08.11.2017]

In compliance of the procedure established for diversion of forestland for non-forest purpose through the Forest Conservation Rules 2003 and guidelines framed under the Forest Conservation Act 1980, the following is certified.

1. The non-forest land parcel(s) [Table 1] proposed by Green ko Solar Energy Pvt. Ltd. (User Agency) for raising compensatory afforestation (CA) in lieu forest land diversion proposal number FP/KA/HYD/37723/2018 for diversion of 160.4 hectare of forestland in Bidar Division(s) has been inspected by me on Date: 26.02.2020
2. The said non-forest CA land parcel(s) is not fully suitable for raising compensatory afforestation in accordance with Government of India FC Guidelines F.No. 11-423/2011-FC dated: 08.11.2017 read with general FC Guidelines, and in case of Private Party User Agency, further as per Government of Karnataka Order No. FEE 82 FLL 2016 dated 31.08.2016.
3. It is further reported that the said land parcel(s) has natural growth to some extent and therefore planting about 400 plants per hectare cannot be planted therein. Accordingly seedlings are proposed to be planted in degraded forest land [Table 2] in consonance with the Working Plan prescriptions.
4. The KML file(s), too Maps(s), Geo-referenced Map(s) & GPS readings of all corners of the proposed non-forest CA land parcel(s) have been uploaded by User Agency in PART-I of the proposal / are enclosed herewith.
5. The KML files(s), Topo Map(s), Geo-referenced Map(s) & GPS readings of all corners of the proposed degraded forest land parcel(s) are enclosed in PART-II.
6. Additional remarks, The 64400 plants (400 plants/ha) is proposed to be raised in Karaknalli section-4 forest Sy. No. 82

TABLE – 1 (Non – forest CA land)

District, Taluk & Hobli	Village	Survey Number	Extent in A-G	Plants/ha proposed to be planted	Remarks about the adjacency of the proposed land parcel to a notified forest
1	2	3	4	5	6
Bidar, Kamalnagar (Aurad), Dabka	Dabka	136	18-05		Dabka Sy.No150 (Deemed Forest). Also in 2019-20 During October 2019 endangered Lesser Florican birds are found to be displaying breeding dance in Aurad taluka, Bidar taluka and subsequently it is found that birds are actively breeding in Aurad taluka and in Feb-2020, chicks of Lesser Florican is spotted. Therefore, it is prudent to maintain the proposed compensatory afforestation land as grassland so as to ensure the availability of grass land for breeding and nesting of endangered Lesser Florican.
		116	33-37		
		117	33-18		
		124	25-10		
		125	27-07		
		126	32-12		
		123	36-37		
		127	14-20		
		128	25-31		
		129	24-09		
		130	15-05		
		131	32-28		
		134	21-02		
		135	23-01		
		148	2-19		
	149	15-17			
	Chimme gaon	57	17-00		
TOTAL			398-18 (161.25 Ha.)		

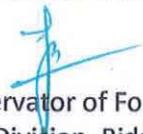
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TABLE – 2 (Degraded forest land where the balance number of plants are proposed to be planted in consonance with the Working Plan Prescriptions)

Forest Division	Name of Forest	Forest block number	District, Taluk & Hobli	Village	Survey number	Extent in (Ha)
1	2	3	4	5	6	7
Bidar	Changlera Block	No. : AFD 133 FAF 65 Dt: 18.03.1966	Bidar, Humnabad, Changlera	Karaknalli	82	161

Place : Bidar
Date : 16/9/2020


Deputy Conservator of Forests,
Territorial Division, Bidar .

ANNEXURE - A

Indicative Cost Estimation for Raising and Maintenance of Compensatory Plantation for (161.00Ha. @ 400 Pits of size 0.60M3 & 440 Plants of size 8"x12" per Ha.) in up to one hectare forest land diversion Cases (Based on KFD CSSR for 2019-20)

Statement Showing the Compensatory Afforestation Scheme Proposal over an extent of 161 Ha. at Karknalli Sy. No. 82 of Humnabad Taluka, Dist : Bidar

Particulars	Advance Work Year	Raising Year	Maintenance										Grand Total	
			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10		
A: Advance Works														
1 Advance works (including Raising of 8"x12" Size PBS)	6,601,000													6,601,000
B: Raising of plantation														
1 Raising plantation in advance worked area (including Raising of 20% replacement casualty & maintenance of PBS)		4,604,600												4,604,600
C: Maintenance of of plantation (with Casualty Replacement, Cultural operations & Manuring)														
1 Maintenance of the plantation during 1st year (including Maintenance of PBS)			2,898,000											2,898,000
D: Maintenance of of plantation (With cultural operations & manuring)														
1 Maintenance of plantation during 2nd Year				2,576,000										2,576,000
E: Maintenance of of plantation (With Cultural operations but without manuring)														
1 Maintenance of plantation during 3rd Year					2,270,100									2,270,100
2 Maintenance of plantation during 4th Year						2,270,100								2,270,100
3 Maintenance of plantation during 5th Year							2,270,100							2,270,100
F: Maintenance of of plantation (Without cultural operations)														
1 Maintenance of plantation during 6th Year								869,400						869,400
2 Maintenance of plantation during 7th Year									869,400					869,400
3 Maintenance of plantation during 8th Year										869,400				869,400
4 Maintenance of plantation during 9th Year											869,400			869,400
5 Maintenance of plantation during 10th Year												869,400		869,400
Total: (A to F)	6,601,000	4,604,600	2,898,000	2,576,000	2,270,100	2,270,100	2,270,100	869,400	869,400	869,400	869,400	869,400	869,400	27,836,900
i Total (A to F) Amount after taking 10% escalation cost for each Year (Compounding factor at 10%)	7,261,100	5,571,566	3,857,238	3,771,522	3,656,019	4,021,621	4,423,783	1,863,636	2,050,000	2,255,000	2,480,500	2,728,550		43,940,532
ii Soil and Moisture conservation measures (15% on total plantation cost)	6,591,080													6,591,080
Total (i + ii)														50,531,612
Total 1st Year to XIIth Year														50,531,612
Administration & Supervision charges @ 5% & rounding off														2,526,581
GRAND TOTAL (Rs. per hectare)														53,058,193

*Conversion factor of 1 Hectare = 2.5 Acre has been adopted here.

Deputy Conservator of Forests,
Territorial Division, Bidar.

ANNEXURE - A

Statement Showing Chainlink Mesh Fencing of CA Area of Dabka Vilalges Sy. No. 136, 116, 117, 124, 125, 126, 123, 127, 128, 129, 130, 131, 134, 135, 148 and Chimmegaon Village Sy. No. 57 of Kamalnagar Taluka Bidar District

Particulars	Advance Work Year	Raising Year	Maintenance										Grand Total	
			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10		
A: Advance Works														
1 Advance works (including Raising of 8"x12" Size PBS)	0													0
B: Raising of plantation														
1 Raising plantation in advance worked area (including Raising of 20% replacement casualty & maintenance of PBS)		0												0
C: Maintenance of of plantation (with Casualty Replacement, Cultural operations & Manuring)														
1 Maintenance of the plantation during 1st year (including Maintenance of PBS)			0											0
D: Maintenance of of plantation (With cultural operations & manuring)														
1 Maintenance of plantation during 2nd Year				0										0
E: Maintenance of of plantation (With Cultural operations but without manuring)														
1 Maintenance of plantation during 3rd Year					0									0
2 Maintenance of plantation during 4th Year						0								0
3 Maintenance of plantation during 5th Year							0							0
F: Maintenance of of plantation (Without cultural operations)														
1 Maintenance of plantation during 6th Year								0						0
2 Maintenance of plantation during 7th Year									0					0
3 Maintenance of plantation during 8th Year										0				0
4 Maintenance of plantation during 9th Year											0			0
5 Maintenance of plantation during 10th Year												0		0
Total: (A to F)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I Total (A to F) Amount after taking 10% escalation cost for each Year (Compounding factor at 10%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II Soil and Moisture conservation measures (15% on total plantation cost)	0													0
III Chainlink Mesh Fencing (Considering 200 meter average periphery (Adopted from Data Sheet of Sandal Estate Model for 2019) @ Rs. 625000/- / Ha	3,125,000													0
V Peripheri of Area in Sq Km (7.692)	24,037,500													24,037,500
Total (I + II)														24,037,500
Total Ist Year to XIIth Year														24,037,500
Administration & Supervision charges @ 5% & rounding off														1,201,875
GRAND TOTAL (Rs. per hectare)														25,239,375

*Conversion factor of 1 Hectare = 2.5 Acre has been adopted here.

Deputy Conservator of Forests,
Territorial Division, Bidar.

ANNEXURE - A

Indicative Cost Estimation for Raising and Maintenance of Compensatory Plantation for (161.00Ha. @ 400 Pits of size 0.60M3 & 440 Plants of size 8"x12" per Ha.) in up to one hectare forest land diversion Cases (Based on KFD CSSR for 2019-20)

Particulars	Advance Work Year	Raising Year	Maintenance										Amount (Rs.)	
			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Grand Total	
A: Advance Works														
1 Advance works (including Raising of 8"x12" Size PBS)	6,601,000													6,601,000
B: Raising of plantation														
1 Raising plantation in advance worked area (including Raising of 20% replacement casualty & maintenance of PBS)		4,604,600												4,604,600
C: Maintenance of of plantation (with Casualty Replacement, Cultural operations & Manuring)														
1 Maintenance of the plantation during 1st year (including Maintenance of PBS)			2,898,000											2,898,000
D: Maintenance of of plantation (With cultural operations & manuring)														
1 Maintenance of plantation during 2nd Year				2,576,000										2,576,000
E: Maintenance of of plantation (With Cultural operations but without manuring)														
1 Maintenance of plantation during 3rd Year					2,270,100									2,270,100
2 Maintenance of plantation during 4th Year						2,270,100								2,270,100
3 Maintenance of plantation during 5th Year							2,270,100							2,270,100
F: Maintenance of of plantation (Without cultural operations)														
1 Maintenance of plantation during 6th Year								869,400						869,400
2 Maintenance of plantation during 7th Year									869,400					869,400
3 Maintenance of plantation during 8th Year										869,400				869,400
4 Maintenance of plantation during 9th Year											869,400			869,400
5 Maintenance of plantation during 10th Year												869,400		869,400
Total: (A to F)	6,601,000	4,604,600	2,898,000	2,576,000	2,270,100	2,270,100	2,270,100	869,400	869,400	869,400	869,400	869,400	869,400	27,836,900
I Total (A to F) Amount after taking 10% escalation cost for each Year (Compounding factor at 10%)	7,261,100	5,571,566	3,857,238	3,771,522	3,656,019	4,021,621	4,423,783	1,863,636	2,050,000	2,255,000	2,480,500	2,728,550		43,940,532
II Soil and Moisture conservation measures (15% on total plantation cost)	6,591,080													6,591,080
III Chainlink Mesh Fencing (Considering 200 meter average periphery (Adopted from Data Sheet of Sandal Estate Model for 2019) @ Rs. 625000/- / Ha)	24,037,500													24,037,500
Total (I + II)														74,569,112
Total 1st Year to XIth Year														74,569,112
Administration & Supervision charges @ 5% & rounding off														3,728,456
GRAND TOTAL (Rs. per hectare)													78,297,568	

*Conversion factor of 1 Hectare = 2.5 Acre has been adopted here.

Deputy Conservator of Forests,
Territorial Division, Bidar.

DATA SHEET FOR RAISING COMPENSATORY PLANTATION FOR GENERAL APPROVAL CASES OF UPTO ONE HECTARE FOREST LAND DIVERSION

A - DATA SHEET FOR ADVANCE WORKS (PER HECTARE BASIS)

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount (Rs.)
1	100(b)	Survey and Demarcation of plantation boundary lines after clearing the rank growth to a width of 2 mtrs in the areas with sparse under growth	400	m	832.55	1000	m	333.02
2	29 (b)	Aligning in the planting area along the contours & marking for pit (without staking)	400	Pits	363.63	1000	Pits	145.45
3	29(c)(ii)	Excavation of pits with vertically cut edges to make an uniform cube and heaping the excavated soil (1/3rd top soil on the upper side & 2/3rd on the lower side) In Hard Soil pits of size 0.75 x 0.75 x 0.75 0.421 M3 for 400 pits = 168.75 M3	168.75	cum	162.62	1	cum	27,442.13
4	As per Data sheet	Raising of 8"x12" PBS	440	PBS	17,640.00	1000	PBS	7,761.60
5		Miscellaneous			LS			5,317.80
TOTAL (Rs. per Hectare)								41,000.00

DATA SHEET FOR RAISING OF 8" X 12" WOVEN SACK SEEDLINGS

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit Rs.)			Amount (Rs.)
1	By Tender	Cost of HDPE woven sack bags including GST	1000	Bags	4.31	1	Bags	4,310.00
2	14(a)	Procurement of 4.20 cum. of ingredients i.e. farmyard manure/compost, sand and red earth in 1:1:2 proportion	1000	PBs	2,996.15	1,000	PBs	2,996.15
3	14(b)	Mixing the ingredients, filling the polythene bags and arranging in rows after scraping the earth	1000	PBs	2,052.47	1,000	PBs	2,052.47
4	LS/RQ	cost of quality seeds/ Quality Planting Material	500	PBs	327.18	1,000	PBs	163.59
5	14(d)	Pricking out the seedlings from seed beds and transplanting in the PBs	500	PBs	202.45	1,000	PBs	101.23
6	Sub Est.	Raising of 4"x6" seedlings (Transplanting seedlings)	500	PBs	2.38	1	PBs	1,190.00
7	14(e)	Transplanting of 4"x6" or 5"x8" size bagged seedlings into 8"x12" size bags after removal of the seedlings along with the trimmed ball of earth	500	PBs	202.45	1,000	PBs	101.23
8	14(f)	Watering to the Polythene bagged seedlings twice a day from 01-09-2019 to 31-03-2020 for 212 days (Limited to 183 days)	1000 183	PBs Days	29.13	1000 Days	PBs Days	5,330.79
9	14(g)	Weeding the polythene-bagged seedlings	1000	PBs	89.09	1000	PBs	356.36
10	14(h)	Shifting & grading the polythene-bagged seedlings	1000 2	PBs Times	243.00	1,000	PBs Times	486.00
11	LS/RQ	Cost of application of pesticides/fungicides biofertilisers, diesel bill, repairs to pumpset, electricity bills, nursery dev.Charges.	1000	PBs	912.19	1,000	PBs	548.84
12	LS/RQ	Miscellaneous, Unforeseen & rounding off						3.35
Total (Per 1000 PBS)								17,640.00

DATA SHEET FOR MAINTENANCE OF SEEDLINGS (8" X 12") WOVEN SACK SEEDLINGS

Sl. No.	SSR Item	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount
1	14(f)	Watering to the Polythene bagged seedlings twice a day from 1st April 2019 for 120 days	1000 120	PBs days	29.13	1000	PBs days	3,495.60
2	14(g)	Weeding the polythene-bagged seedlings	1000 2	PBs Times	89.09	1000	PBs Times	178.18
3	14(h)	Shifting & grading the polythene-bagged seedlings	1000 3	PBs Times	243	1000	PBs Times	729.00
4	LS/RQ	Electricity charges, diesel charges, maintenance charges of nursery, etc. and Misc.	1000	PBs	597.22	1,000	PBs	237.22
Total (Per 1000 PBS)								4,640.00

Deputy Conservator of Forests,
Territorial Division, Bidar.

B : DATA SHEET FOR RAISING OF PLANTATION (PER HECTARE BASIS)

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit (Rs.)		Amount (Rs.)
1	29(d)	Refilling of pits, cutting of edge of the pit on the lower side and refilling 75% or 100% of the pit as the case may be with the excavated soil, duly breaking the clods & arranging the remaining soil on the lower slope (160 pits = 50.62 cum)	64.8	cum	17.40	1 cum	1,127.52
2	23(d)	Loading & unloading of Polythene Bagged Seedlings: Loading of polythene-bagged seedlings into the vehicle at the nursery site and unloading at the site nearest to the planting site (Including 10% for casualty replacement) Seedlings raised in 8" x 12" size bags.	440	PBS	1,549.05	1000 PBS	681.58
3	24(d)(iv)	Transportation: Transportation of polythene-bagged seedlings in hired truck from the nursery site to planting site (Distance from 31 to 40 kms) Seedlings raised in 8" x 12" size bags :	440	PBS	3,742.82	1000 PBS	1,646.84
4	25(d)	Conveyance of polythene bagged seedlings on head load from the dumping site to planting location near each trench/pit (distance up to 3 km) 8"X 12" size bagged seedlings	440	PBS	3,098.08	1000 PBS	1,363.16
5	26©	Watering by dipping: Watering polythene bagged seedlings at planting site by dipping in water, including carrying of water 8" x 12" size bagged seedlings	440	PBS	658.33	1000 PBS	289.67
6	27(d)	Planting of P.B. Seedlings after tearing with blade and removing the polythene bags in trenches/pitss including scooping the soil to required depth, pressing the soil gently around	440	PBS	2,834.97	1000 PBS	1,247.39
7	29(e)(ii)	First weeding around the plants (pits) to a radius of 1 meter	400	Pits	1,936.29	1000 Pits	774.52
8	29(j)	Saucer Bharav: Scraping out of grass and weeds to a radius of 50 cms around the plant, earthening up of plants in the form of a semi-circular slanting saucer shape slope, loosening of boulders if any with soil by using pickaxe and arranging the loosened boulders and soil in semi-circular fashion at the lower side of the plant (Dimension 80 cms diameter and 25 cms depth at deepest point)	400	Pits	8,519.78	1000 Pits	3,407.91
9	Market Rate	Cost of chemical Fertilizer @ 25g/ plant (160 plants = 4 kg)	10	kg	50.00	1 kg	500.00
10	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)	400	Plants	309.76	1000 Plants	123.90
11	29(f)(i)	2nd & subsequent weeding around the plants (pit) to radius of 60 cm.	400	Pits	774.50	1000 Pits	309.80
12	29(g)(i)	Clear weeding by cutting all weeds flush to the ground, retaining seedlings of important species, not directly interfering with the main crop in areas with heavy weed growth of Eupatorium, Solanum, etc., (First weeding)- 50% area = 0.5 ha	0.5	ha	2,904.43	1 ha	1,452.22
13	82	Fire Protection work in Plantations: New Fire Lines: Cutting of all existing weed growth to a width of 3 m. heaping, burning and re-burning in younger plantations (0.16 km)	0.4	km	1,626.48	1 km	650.59
14	SSR rate	Watch and ward @ One Maz. for 10 ha. (i.e. 305 days @ 327.72 per day= Rs.99954.6) (June to	1	ha	99,954.60	10 ha	9,995.46
15	RQ	Plantation Board & other miscellaneous			LS	0	1,903.85
16	As per	Maintenance of 8"x12" PBS	440	PBS	5,500.00	1000 PBS	2,420.00
17	As per data sheet	Raising of 8"x12" PBS (10% Casualty Replacement)	40	PBS	17,640.00	1000 PBS	705.60
Total (RS. PER HECTARE)							28,600.00

C : DATA SHEET FOR 1st YEAR MAINTENANCE OF CA PLANTATION (PER HECTARE BASIS)

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount (Rs.)
1	As per Data sheet	Maintenance 8"x12" PBS (April to July = 120 days)	40	PBS	4,640.00	1,000	PBS	185.60
2	40(a)	Re-opening of pits of size 0.30m x 0.30 m x 0.30m for replacement of causalities (for 40 pits)	1.08	cum	46.48	1	cum	50.20
3	23(d)	Loading & unloading of Polythene Bagged Seedlings:	40	PBS	1,549.05	1,000	PBS	61.96
4	24(d)(iii)	Transportation: Transportation of polythene-bagged seedlings in hired truck from the nursery site to planting site (21-30 Km) Seedlings raised in 8" x 12" size bags :	40	PBS	3,041.05	1,000	PBS	121.64
5	25(d)	Conveyance of polythene-bagged seedlings on head load from the dumping site to planting location near each trench / pit (distance up to 3 Km) 8"x12" size bagged seedlings	40	PBS	3,098.08	1,000	PBS	123.92
6	26(c)	Watering by dipping: Watering polythene bagged seedlings at planting site by dipping in water, including carrying of water 8" x 12" size bagged seedlings	40	PBS	658.33	1,000	PBS	26.33
7	27(d)	Planting:of P.B. Seedlings after tearing with blade & removing the polythene bags in trenches / pits including scooping the soil to required depth, pressing the soil gently around the seedlings after planting 8" x 12" size bagged seedlings	40	PBS	2,834.97	1,000	PBS	113.40
8	Market Rate	Cost of chemical Fertilizer @ 25g/ plant (for 400 plants).	10	Kg	50.00	1	Kg	500.00
9	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)	400	plants	309.76	1,000	plants	123.90
10	40(b)(i)	First weeding around the plants (pits) to a radius of 60 cm	400	Pits	968.12	1,000	Pits	387.25
11	42(i)	Hoeing & soil working with pickaxe around the plant to a depth of 15cm. & to a radius of 60 cm. so as to loosen the soil around the plants (pits only)	400	plants	3,485.36	1,000	plants	1,394.14
12	40(g)	Karada and other pernicious grass cutting flush to the ground in highly problematic plantation areas where the grass is suppressing the plants	0.5	ha	3,872.65	1	ha	1,936.33
13	83(a)	Maintenance of Fire Line along Roadside, Plantation, Block and compartment boundaries : a) Cleaning existing fire lines and fire tracing 3 m wide.	0.33	km	968.12	1	km	319.48
14	83(b)	Maintenance of Fire Line along Roadside, Plantation, Block and compartment boundaries : a) Re-sweeping and re-burning the above fire line.	0.33	Km	135.52	1	Km	44.72
15	SSR Rates	Watch and ward @ One Maz. for 10 ha. (i.e. 365 days @ 327.72 per day=119617.8).	1	ha	119,617.80	10	ha	11,961.78
16		Miscellaneous		LS				649.34
GRAND TOTAL (Rs. per Hectare)								18,000.00

Deputy Conservator of Forests
Territorial Division, Bidar

D: DATA SHEET FOR 2nd YEAR MAINTENANCE OF CA PLANTATION (PER HECTARE BASIS)

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount (Rs.)
1	Market Rate	Cost of Chemical Fertilizer @ 25gm/plant for 400 plants	10	kg	50.00	1	kg	500.00
2	38(e)	Application of chemical fertilizer around the plants about 15 cm. away in a furrow duly covering with soil (excluding the cost of fertilizer)	400	plants	309.76	1000	plants	123.90
3	42(a)(i)	First weeding around the plants (pits) to radius of 60 cm	400	Pits	917.82	1000	Pits	367.13
4	42(i)	Hoeing & soil working with pickaxe around the plant to a depth of 15cm & to a radius of 60 cm so as to loosen the soil around the plants (pits only)	400	Pits	3,485.36	1000	Pits	1,394.14
5	42(f)(iii)	Scraping of grass and other growth around the plant (pits) 60 cm. radius around the plant	400	Pits	2,129.89	1000	Pits	851.96
6	83(a)	Maintenance of fire line along roadside, Plantation, Block and compartment Boundaries: Clearing existing fire lines and fire tracing 3 M wide.	0.33	km	968.12	1	km	319.48
7	83(b)	Re-sweeping and re-burning the above fire line	0.33	km	135.52	1	km	44.72
8	SSR Rates	Watch and ward @ One Maz. for 10 ha. (i.e. 365 days @ Rs. 327.72 per day= Rs. 119617.8)	1	ha	119,617.80	10	ha	11,961.78
9		Miscellaneous			LS			436.89
TOTAL (RS. PER HECTARE)								16,000.00

E: DATA SHEET FOR 3rd/ 4th / 5th YEAR MAINTENANCE OF CA PLANTATION (PER HECTARE BASIS)

Sl. No.	SSR Item No.	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount (Rs.)
1	42(a)(i)	First weeding around the plants (pits) to radius	400	Pits	917.82	1000	Pits	367.13
2	42(i)	Hoeing & soil working with pickaxe around the	400	Pits	3,485.36	1000	Pits	1,394.14
3	83 (a)	Maintenance of fire line along roadside,	0.3	km	968.12	1	km	290.44
4	83 (b)	Re-sweeping and re-burning the above fire	0.33	km	135.52	1	km	44.72
5	SSR	Watch and ward @ One Maz. for 10 ha. (i.e.	1	ha	119,617.80	10	ha	11,961.78
6		Miscellaneous			LS			41.79
TOTAL (RS. PER HECTARE)								14,100.00

F: DATA SHEET FOR 6th/ 7th/ 8th/ 9th/ 10th YEAR MAINTENANCE OF CA PLANTATION (PER HECTARE BASIS)

Sl.	SSR Item	Particulars of Works	Quantity		Rate Per Unit (Rs.)			Amount
1	83 (a)	Maintenance of fire line along roadside,	0.33	km	968.12	1	km	312.2
2	83 (b)	Re-sweeping and re-burning the above fire	0.33	km	135.52	1	km	43.71
3	SSR	Engaging fire watcher during fire season @	1	ha	49,813.44	10	ha	4981.344
4		Miscellaneous			LS			62.75
TOTAL (RS. PER HECTARE)								5,400.00


 Deputy Conservator of Forests
 Territorial Division, Bidar



Latitude: 18°20'39"
Longitude: 77°17'10"
Elevation: 534.27m
Accuracy: 3.8m
GPSTime: 26-02-2020 16:43:19
Note: DCf Sir visit to CA proposal area ourad range chemegoan and dabaka village



Latitude: 18°20'39"
Longitude: 77°17'10"
Elevation: 533.51m
Accuracy: 3.8m
GPSTime: 26-02-2020 16:43:36
Note: DCf Sir visit to CA proposal chemegoan and dabaka village


Deputy Conservator of Forests
Territorial Division, BIDAR



Latitude: 18°20'35"
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 Elevation: 542.17m
 Accuracy: 3.8m
 GPSTime: 26-02-2020 16:39:39
 Note: DCF Sir visit to CA proposal area at abanigoan and dabara village

Powered by NoteCam



Latitude: 18°20'36"
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 Elevation: 536.48m
 Accuracy: 3.8m
 GPSTime: 26-02-2020 17:03:13
 Note: DCF Sir visit to CA proposal area at abanigoan and dabara village

Powered by NoteCam

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 Deputy Conservator of Forest
 Territorial Division, BIDAR



Latitude: 18°20'37"
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 Elevation: 527.84m
 Accuracy: 3.8m
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 Note: DCf Sir visit to CA proposal area. Aurad range chemegoan and dabaka village

Powered by NoteCam



Latitude: 18°20'39"
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 Accuracy: 3.8m
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 Note: DCf Sir visit to CA proposal area aurad range chemegoan and dabaka village

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[Handwritten Signature]
 Deputy Conservator of Forest
 Territorial Division, BIDAR



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Note: DCf Sir visit to CA proposal area chemegoan and dabaka village

Powered by NoteCam



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Elevation: 540.15m
Accuracy: 3.8m
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Note: DCf Sir visit to CA proposal area chemegoan and dabaka village

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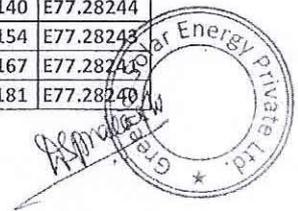

Deputy Conservator of Forest
Territorial Division, BIDAR

Survey Number wise extent of proposed CA Land Bidar District, Karnataka State		
Sl.No	Sy.No	Acr-Gunta
Dabka Village, Kamlanagar Taluk		
1	136	18-05
2	116	33-37
3	117	33-18
4	124	25-10
5	125	27-07
6	126	32-12
7	123	36-37
8	127	14-20
9	128	25-31
10	129	24-09
11	130	15-05
12	131	32-28
13	134	21-02
14	135	23-01
15	148	2-19
16	149	15-17
Sub-Total - A		381-00
Chimagoan Village, Kamlanagar Taluk		
17	57	17-00
Sub-Total - B		17-00
TOTAL : A+B (Acr)		398-45
TOTAL (Ha) Approx		161.00



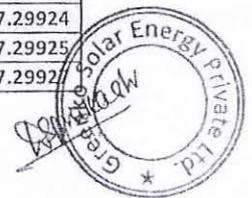
Coordinates of proposed CA Land in Dabka and Chimagaon Villages of
Kamalanagar Taluk, Bidar District, Karnataka State

Sl.No	Latitude	Longitude	Sl.No	Latitude	Longitude	Sl.No	Latitude	Longitude
1	N18.34769	E77.29972	56	N18.34614	E77.28373	111	N18.34991	E77.28689
2	N18.34784	E77.29817	57	N18.34726	E77.29746	112	N18.34774	E77.29954
3	N18.34007	E77.28554	58	N18.34628	E77.28372	113	N18.34686	E77.29663
4	N18.33997	E77.28538	59	N18.34641	E77.28371	114	N18.34996	E77.28676
5	N18.33987	E77.28522	60	N18.34655	E77.28370	115	N18.35001	E77.28663
6	N18.33977	E77.28506	61	N18.34668	E77.28369	116	N18.35007	E77.28650
7	N18.33972	E77.28493	62	N18.34682	E77.28368	117	N18.35013	E77.28637
8	N18.33990	E77.28490	63	N18.34695	E77.28367	118	N18.35018	E77.28624
9	N18.34008	E77.28487	64	N18.34709	E77.28366	119	N18.35021	E77.28611
10	N18.34026	E77.28484	65	N18.34722	E77.28366	120	N18.35016	E77.28598
11	N18.34044	E77.28481	66	N18.34736	E77.28365	121	N18.35012	E77.28585
12	N18.34061	E77.28478	67	N18.34749	E77.28364	122	N18.35007	E77.28571
13	N18.34771	E77.29804	68	N18.34718	E77.29729	123	N18.35002	E77.28558
14	N18.34079	E77.28475	69	N18.34763	E77.28363	124	N18.34672	E77.29651
15	N18.34097	E77.28472	70	N18.34767	E77.28376	125	N18.34997	E77.28545
16	N18.34115	E77.28469	71	N18.34771	E77.28389	126	N18.34993	E77.28531
17	N18.34133	E77.28466	72	N18.34775	E77.28403	127	N18.34988	E77.28518
18	N18.34151	E77.28463	73	N18.34779	E77.28417	128	N18.34983	E77.28505
19	N18.34164	E77.28463	74	N18.34782	E77.28430	129	N18.34979	E77.28492
20	N18.34178	E77.28464	75	N18.34786	E77.28444	130	N18.34974	E77.28478
21	N18.34191	E77.28465	76	N18.34790	E77.28457	131	N18.34969	E77.28465
22	N18.34205	E77.28466	77	N18.34794	E77.28471	132	N18.34964	E77.28452
23	N18.34218	E77.28466	78	N18.34798	E77.28485	133	N18.34960	E77.28438
24	N18.34757	E77.29791	79	N18.34711	E77.29712	134	N18.34955	E77.28425
25	N18.34232	E77.28464	80	N18.34801	E77.28498	135	N18.34657	E77.29640
26	N18.34245	E77.28461	81	N18.34805	E77.28512	136	N18.34950	E77.28412
27	N18.34258	E77.28458	82	N18.34809	E77.28525	137	N18.34946	E77.28399
28	N18.34271	E77.28454	83	N18.34813	E77.28539	138	N18.34941	E77.28385
29	N18.34284	E77.28451	84	N18.34819	E77.28552	139	N18.34936	E77.28372
30	N18.34297	E77.28447	85	N18.34823	E77.28565	140	N18.34931	E77.28359
31	N18.34311	E77.28444	86	N18.34829	E77.28578	141	N18.34927	E77.28345
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33	N18.34337	E77.28437	88	N18.34839	E77.28605	143	N18.34924	E77.28321
34	N18.34350	E77.28434	89	N18.34844	E77.28618	144	N18.34936	E77.28316
35	N18.34744	E77.29778	90	N18.34704	E77.29695	145	N18.34949	E77.28311
36	N18.34363	E77.28431	91	N18.34849	E77.28631	146	N18.34643	E77.29629
37	N18.34376	E77.28427	92	N18.34854	E77.28644	147	N18.34961	E77.28306
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43	N18.34455	E77.28407	98	N18.34899	E77.28713	153	N18.35037	E77.28274
44	N18.34469	E77.28404	99	N18.34909	E77.28722	154	N18.35049	E77.28269
45	N18.34482	E77.28400	100	N18.34919	E77.28732	155	N18.35062	E77.28263
46	N18.34733	E77.29764	101	N18.34696	E77.29677	156	N18.35074	E77.28258
47	N18.34495	E77.28397	102	N18.34928	E77.28741	157	N18.34628	E77.29617
48	N18.34508	E77.28394	103	N18.34938	E77.28751	158	N18.35087	E77.28253
49	N18.34521	E77.28390	104	N18.34948	E77.28761	159	N18.35100	E77.28249
50	N18.34534	E77.28387	105	N18.34958	E77.28767	160	N18.35113	E77.28247
51	N18.34547	E77.28384	106	N18.34963	E77.28754	161	N18.35127	E77.28246
52	N18.34561	E77.28380	107	N18.34969	E77.28741	162	N18.35140	E77.28244
53	N18.34574	E77.28377	108	N18.34974	E77.28728	163	N18.35154	E77.28243
54	N18.34587	E77.28375	109	N18.34980	E77.28715	164	N18.35167	E77.28242
55	N18.34601	E77.28374	110	N18.34985	E77.28702	165	N18.35181	E77.28240



Coordinates of proposed CA Land in Dabka and Chimagaon Villages of
Kamalanagar Taluk, Bidar District, Karnataka State

Sl.No	Latitude	Longitude	Sl.No	Latitude	Longitude	Sl.No	Latitude	Longitude
166	N18.35194	E77.28238	221	N18.35246	E77.28503	289	N18.35187	E77.29118
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169	N18.35221	E77.28236	224	N18.35235	E77.28447	292	N18.35194	E77.29155
170	N18.35235	E77.28235	225	N18.35231	E77.28429	293	N18.35198	E77.29173
171	N18.35248	E77.28234	226	N18.35228	E77.28410	294	N18.35202	E77.29192
172	N18.35262	E77.28233	227	N18.35224	E77.28392	295	N18.35206	E77.29210
173	N18.35275	E77.28231	228	N18.35220	E77.28373	296	N18.35209	E77.29229
174	N18.35289	E77.28230	229	N18.35216	E77.28355	297	N18.35213	E77.29247
175	N18.35302	E77.28229	230	N18.35213	E77.28336	298	N18.35217	E77.29266
176	N18.35316	E77.28228	231	N18.35209	E77.28318	299	N18.35221	E77.29284
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178	N18.35343	E77.28226	233	N18.35201	E77.28281	301	N18.34465	E77.29453
179	N18.34599	E77.29595	234	N18.35197	E77.28262	302	N18.35228	E77.29321
180	N18.35348	E77.28236	248	N18.35493	E77.28817	303	N18.35232	E77.29339
181	N18.35350	E77.28250	249	N18.35480	E77.28830	304	N18.35236	E77.29358
182	N18.35352	E77.28264	250	N18.35481	E77.28843	305	N18.35240	E77.29377
183	N18.35354	E77.28278	251	N18.35494	E77.28855	306	N18.35243	E77.29395
184	N18.35356	E77.28292	252	N18.35508	E77.28868	307	N18.35247	E77.29414
185	N18.35358	E77.28306	253	N18.35521	E77.28881	308	N18.35252	E77.29432
186	N18.35361	E77.28320	254	N18.35534	E77.28894	309	N18.35256	E77.29450
187	N18.35363	E77.28334	255	N18.35547	E77.28907	310	N18.35261	E77.29469
188	N18.35364	E77.28348	256	N18.35560	E77.28920	311	N18.35265	E77.29487
189	N18.35366	E77.28362	257	N18.34501	E77.29511	312	N18.34467	E77.29434
190	N18.34585	E77.29583	258	N18.35574	E77.28933	313	N18.35270	E77.29505
191	N18.35367	E77.28376	259	N18.35587	E77.28946	314	N18.35274	E77.29523
192	N18.35369	E77.28391	260	N18.35600	E77.28959	315	N18.35279	E77.29542
193	N18.35370	E77.28405	261	N18.35590	E77.28967	316	N18.35283	E77.29560
194	N18.35371	E77.28419	262	N18.35573	E77.28975	317	N18.35288	E77.29578
195	N18.35373	E77.28433	263	N18.35556	E77.28982	318	N18.35292	E77.29597
196	N18.35374	E77.28447	264	N18.35540	E77.28990	319	N18.35297	E77.29615
197	N18.35376	E77.28461	265	N18.35523	E77.28997	320	N18.35301	E77.29633
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200	N18.35380	E77.28503	268	N18.34488	E77.29499	323	N18.34469	E77.29416
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204	N18.35384	E77.28546	272	N18.35418	E77.29021	327	N18.35329	E77.29743
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208	N18.35026	E77.28569	276	N18.35379	E77.29074	331	N18.35351	E77.29815
209	N18.35044	E77.28565	277	N18.35361	E77.29076	332	N18.35357	E77.29833
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211	N18.35079	E77.28558	279	N18.34475	E77.29486	334	N18.34784	E77.29918
212	N18.35097	E77.28554	280	N18.35326	E77.29081	335	N18.34471	E77.29397
213	N18.35115	E77.28550	281	N18.35308	E77.29083	336	N18.35368	E77.29869
214	N18.35132	E77.28546	282	N18.35290	E77.29085	337	N18.35373	E77.29887
215	N18.35150	E77.28542	283	N18.35272	E77.29088	338	N18.35378	E77.29905
216	N18.35168	E77.28538	284	N18.35254	E77.29090	339	N18.35380	E77.29921
217	N18.35186	E77.28535	285	N18.35236	E77.29092	340	N18.35362	E77.29922
218	N18.35203	E77.28531	286	N18.35218	E77.29094	341	N18.35344	E77.29924
218A	N18.35221	E77.28527	287	N18.35200	E77.29096	342	N18.35326	E77.29925
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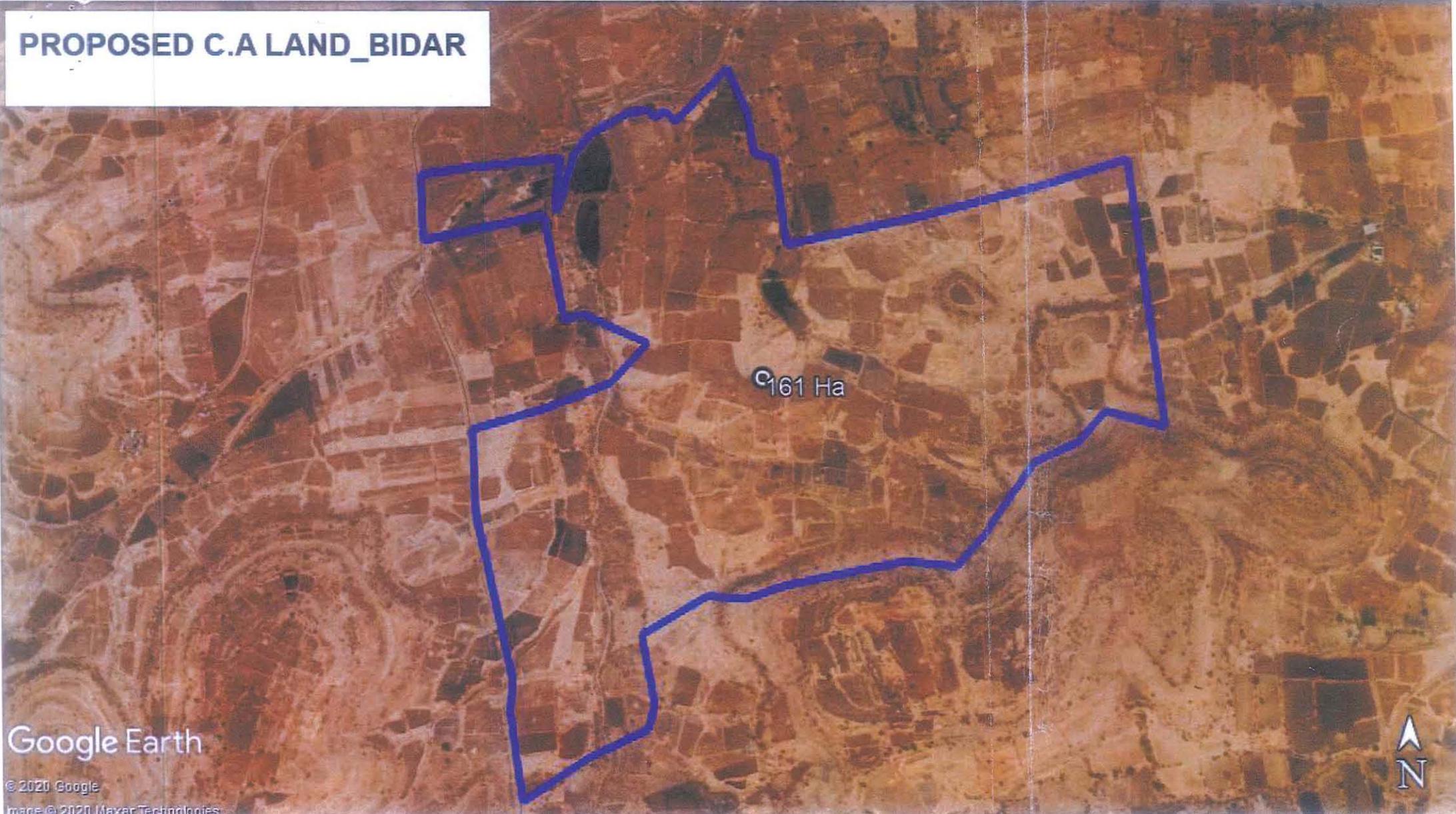


Coordinates of proposed CA Land in Dabka and Chimagaon Villages of Kamalanagar Taluk, Bidar District, Karnataka State

Sl.No	Latitude	Longitude	Sl.No	Latitude	Longitude
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347	N18.35254	E77.29931	402	N18.34386	E77.28882
348	N18.35236	E77.29933	403	N18.34377	E77.28866
349	N18.35218	E77.29934	404	N18.34798	E77.29863
350	N18.35200	E77.29936	405	N18.34368	E77.28849
351	N18.35182	E77.29938	406	N18.34359	E77.28833
352	N18.35164	E77.29939	407	N18.34350	E77.28817
353	N18.35146	E77.29941	408	N18.34341	E77.28800
354	N18.35128	E77.29942	409	N18.34332	E77.28784
355	N18.35110	E77.29944	410	N18.34323	E77.28768
356	N18.35092	E77.29945	411	N18.34311	E77.28758
357	N18.34475	E77.29359	412	N18.34293	E77.28761
358	N18.35074	E77.29947	413	N18.34276	E77.28765
359	N18.35056	E77.29948	414	N18.34258	E77.28768
360	N18.35038	E77.29950	415	N18.34803	E77.29845
361	N18.35020	E77.29951	416	N18.34240	E77.28772
362	N18.35002	E77.29953	417	N18.34222	E77.28776
363	N18.34984	E77.29954	418	N18.34205	E77.28779
364	N18.34966	E77.29956	419	N18.34187	E77.28783
365	N18.34948	E77.29957	420	N18.34169	E77.28786
366	N18.34930	E77.29959	421	N18.34152	E77.28781
367	N18.34912	E77.29960	422	N18.34134	E77.28776
368	N18.34471	E77.29341	423	N18.34118	E77.28770
369	N18.34894	E77.29962	424	N18.34110	E77.28753
370	N18.34876	E77.29963	425	N18.34103	E77.28736
371	N18.34858	E77.29965	426	N18.34797	E77.29830
372	N18.34840	E77.29966	427	N18.34095	E77.28718
373	N18.34822	E77.29968	428	N18.34087	E77.28701
374	N18.34804	E77.29969	429	N18.34080	E77.28684
375	N18.34786	E77.29971	430	N18.34072	E77.28667
376	N18.34467	E77.29322	431	N18.34064	E77.28650
377	N18.34464	E77.29304	432	N18.34057	E77.28633
378	N18.34460	E77.29285	433	N18.34047	E77.28617
379	N18.34457	E77.29266	434	N18.34037	E77.28601
380	N18.34453	E77.29248	435	N18.34027	E77.28585
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382	N18.34788	E77.29899			
383	N18.34446	E77.29211			
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386	N18.34436	E77.29155			
387	N18.34432	E77.29137			
388	N18.34429	E77.29118			
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391	N18.34416	E77.29063			
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396	N18.34393	E77.28991			
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PROPOSED C.A LAND_BIDAR



161 Ha

Google Earth

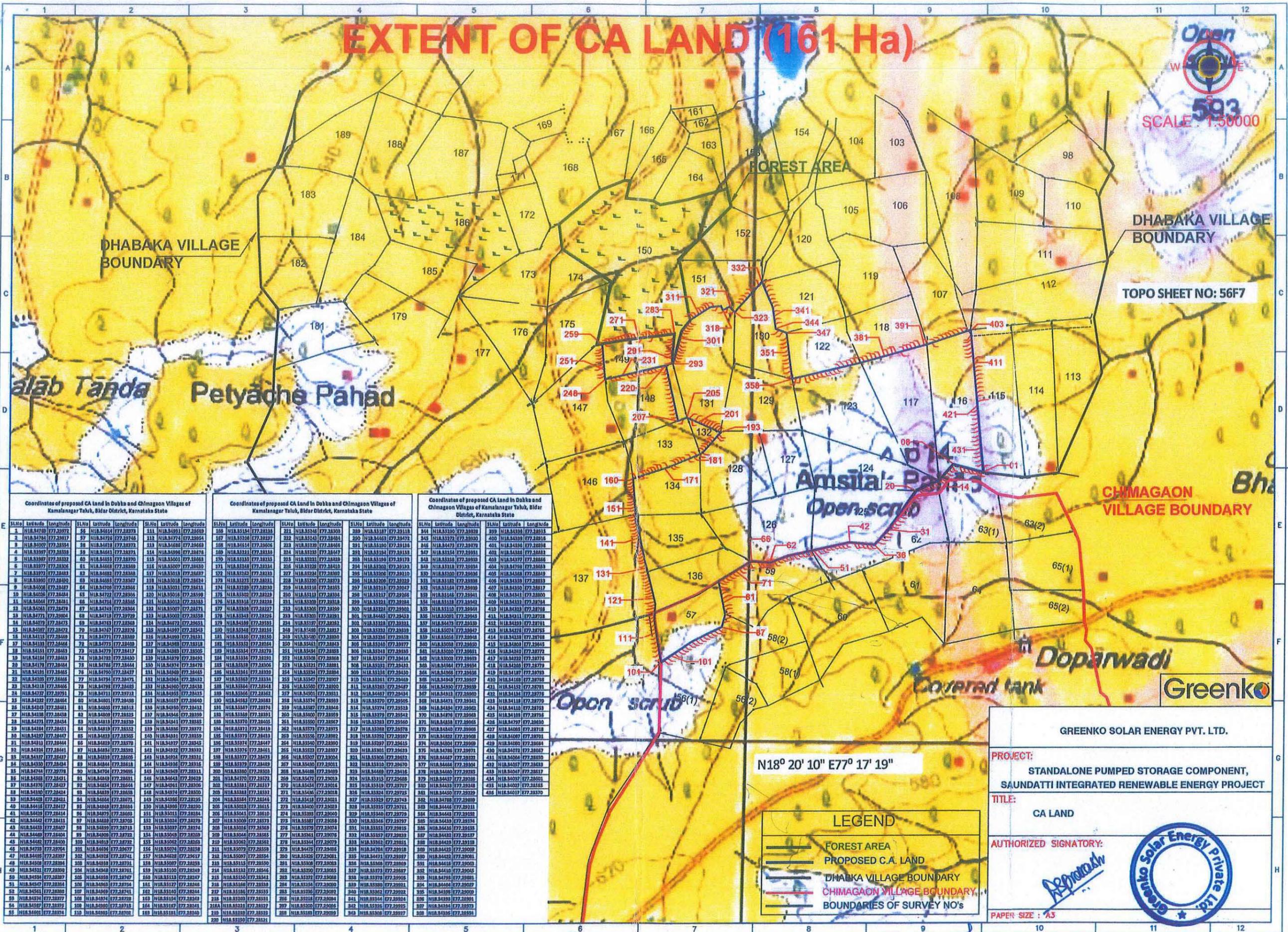
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Dharmak
ವಲಯಗಳ ಅಧಿಕಾರಿಗಳು
ಪ್ರಾದೇಶಿಕ ಅರಣ್ಯವಲಯ
ಬಿದಾರ

J
Deputy Conservator of Forests
Territorial Division. BIDAR

EXTENT OF CA LAND (161 Ha)



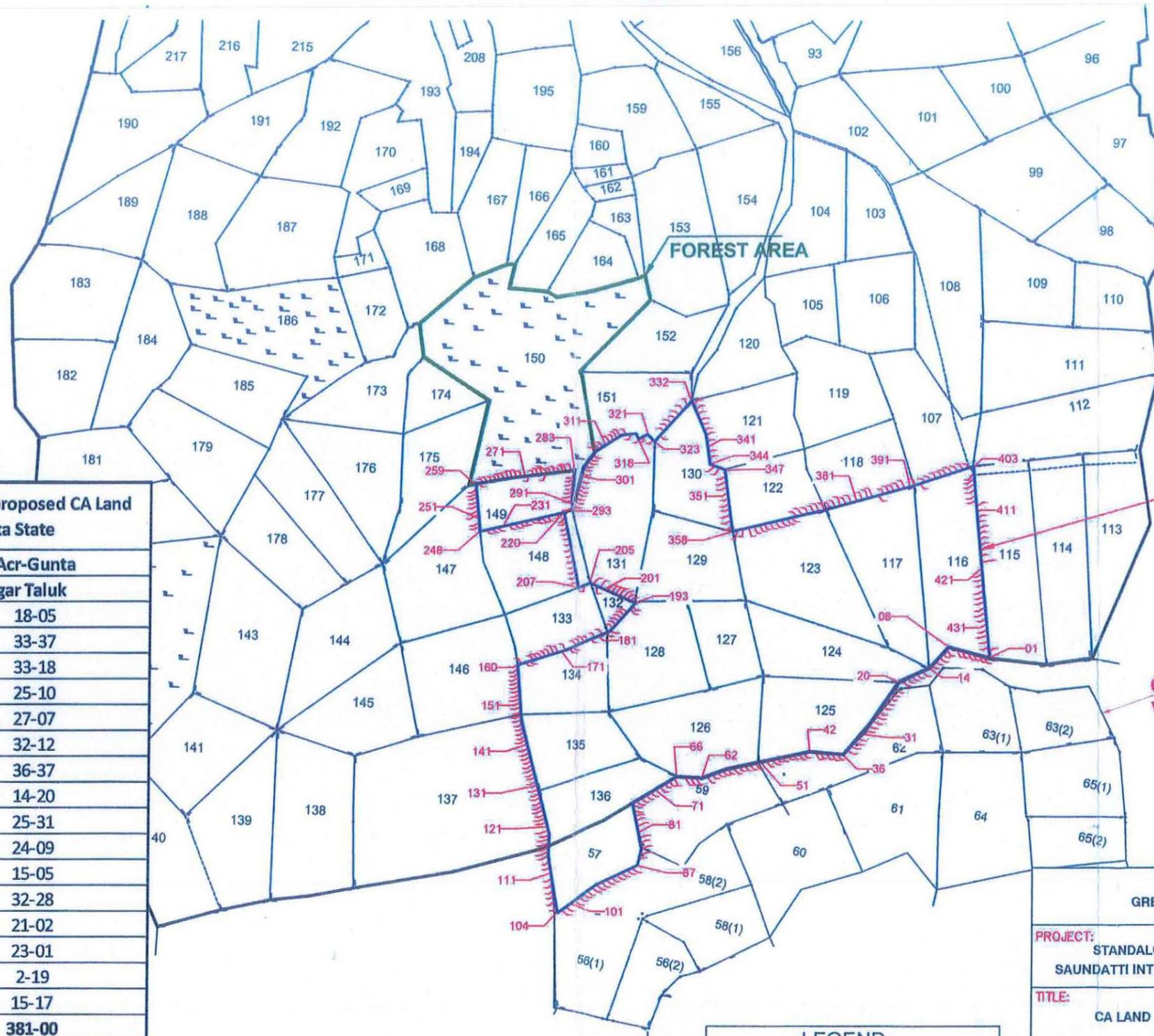
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Coordinates of proposed CA Land in Dabka and Chimgaon Villages of Kamalnagar Taluk, Bidar District, Karnataka State			Coordinates of proposed CA Land in Dabka and Chimgaon Villages of Kamalnagar Taluk, Bidar District, Karnataka State			Coordinates of proposed CA Land in Dabka and Chimgaon Villages of Kamalnagar Taluk, Bidar District, Karnataka State			Coordinates of proposed CA Land in Dabka and Chimgaon Villages of Kamalnagar Taluk, Bidar District, Karnataka State			Coordinates of proposed CA Land in Dabka and Chimgaon Villages of Kamalnagar Taluk, Bidar District, Karnataka State		
Sl.No	Latitude	Longitude												
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3	N18.3472	E77.2398	58	N18.3456	E77.2435	113	N18.3493	E77.2471	168	N18.3530	E77.2507	223	N18.3567	E77.2543
4	N18.3473	E77.2399	59	N18.3457	E77.2436	114	N18.3494	E77.2472	169	N18.3531	E77.2508	224	N18.3568	E77.2544
5	N18.3474	E77.2400	60	N18.3458	E77.2437	115	N18.3495	E77.2473	170	N18.3532	E77.2509	225	N18.3569	E77.2545
6	N18.3475	E77.2401	61	N18.3459	E77.2438	116	N18.3496	E77.2474	171	N18.3533	E77.2510	226	N18.3570	E77.2546
7	N18.3476	E77.2402	62	N18.3460	E77.2439	117	N18.3497	E77.2475	172	N18.3534	E77.2511	227	N18.3571	E77.2547
8	N18.3477	E77.2403	63	N18.3461	E77.2440	118	N18.3498	E77.2476	173	N18.3535	E77.2512	228	N18.3572	E77.2548
9	N18.3478	E77.2404	64	N18.3462	E77.2441	119	N18.3499	E77.2477	174	N18.3536	E77.2513	229	N18.3573	E77.2549
10	N18.3479	E77.2405	65	N18.3463	E77.2442	120	N18.3500	E77.2478	175	N18.3537	E77.2514	230	N18.3574	E77.2550
11	N18.3480	E77.2406	66	N18.3464	E77.2443	121	N18.3501	E77.2479	176	N18.3538	E77.2515	231	N18.3575	E77.2551
12	N18.3481	E77.2407	67	N18.3465	E77.2444	122	N18.3502	E77.2480	177	N18.3539	E77.2516	232	N18.3576	E77.2552
13	N18.3482	E77.2408	68	N18.3466	E77.2445	123	N18.3503	E77.2481	178	N18.3540	E77.2517	233	N18.3577	E77.2553
14	N18.3483	E77.2409	69	N18.3467	E77.2446	124	N18.3504	E77.2482	179	N18.3541	E77.2518	234	N18.3578	E77.2554
15	N18.3484	E77.2410	70	N18.3468	E77.2447	125	N18.3505	E77.2483	180	N18.3542	E77.2519	235	N18.3579	E77.2555
16	N18.3485	E77.2411	71	N18.3469	E77.2448	126	N18.3506	E77.2484	181	N18.3543	E77.2520	236	N18.3580	E77.2556
17	N18.3486	E77.2412	72	N18.3470	E77.2449	127	N18.3507	E77.2485	182	N18.3544	E77.2521	237	N18.3581	E77.2557
18	N18.3487	E77.2413	73	N18.3471	E77.2450	128	N18.3508	E77.2486	183	N18.3545	E77.2522	238	N18.3582	E77.2558
19	N18.3488	E77.2414	74	N18.3472	E77.2451	129	N18.3509	E77.2487	184	N18.3546	E77.2523	239	N18.3583	E77.2559
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21	N18.3490	E77.2416	76	N18.3474	E77.2453	131	N18.3511	E77.2489	186	N18.3548	E77.2525	241	N18.3585	E77.2561
22	N18.3491	E77.2417	77	N18.3475	E77.2454	132	N18.3512	E77.2490	187	N18.3549	E77.2526	242	N18.3586	E77.2562
23	N18.3492	E77.2418	78	N18.3476	E77.2455	133	N18.3513	E77.2491	188	N18.3550	E77.2527	243	N18.3587	E77.2563
24	N18.3493	E77.2419	79	N18.3477	E77.2456	134	N18.3514	E77.2492	189	N18.3551	E77.2528	244	N18.3588	E77.2564
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26	N18.3495	E77.2421	81	N18.3479	E77.2458	136	N18.3516	E77.2494	191	N18.3553	E77.2530	246	N18.3590	E77.2566
27	N18.3496	E77.2422	82	N18.3480	E77.2459	137	N18.3517	E77.2495	192	N18.3554	E77.2531	247	N18.3591	E77.2567
28	N18.3497	E77.2423	83	N18.3481	E77.2460	138	N18.3518	E77.2496	193	N18.3555	E77.2532	248	N18.3592	E77.2568
29	N18.3498	E77.2424	84	N18.3482	E77.2461	139	N18.3519	E77.2497	194	N18.3556	E77.2533	249	N18.3593	E77.2569
30	N18.3499	E77.2425	85	N18.3483	E77.2462	140	N18.3520	E77.2498	195	N18.3557	E77.2534	250	N18.3594	E77.2570
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32	N18.3501	E77.2427	87	N18.3485	E77.2464	142	N18.3522	E77.2500	197	N18.3559	E77.2536	252	N18.3596	E77.2572
33	N18.3502	E77.2428	88	N18.3486	E77.2465	143	N18.3523	E77.2501	198	N18.3560	E77.2537	253	N18.3597	E77.2573
34	N18.3503	E77.2429	89	N18.3487	E77.2466	144	N18.3524	E77.2502	199	N18.3561	E77.2538	254	N18.3598	E77.2574
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36	N18.3505	E77.2431	91	N18.3489	E77.2468	146	N18.3526	E77.2504	201	N18.3563	E77.2540	256	N18.3600	E77.2576
37	N18.3506	E77.2432	92	N18.3490	E77.2469	147	N18.3527	E77.2505	202	N18.3564	E77.2541	257	N18.3601	E77.2577
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39	N18.3508	E77.2434	94	N18.3492	E77.2471	149	N18.3529	E77.2507	204	N18.3566	E77.2543	259	N18.3603	E77.2579
40	N18.3509	E77.2435	95	N18.3493	E77.2472	150	N18.3530	E77.2508	205	N18.3567	E77.2544	260	N18.3604	E77.2580
41	N18.3510	E77.2436	96	N18.3494	E77.2473	151	N18.3531	E77.2509	206	N18.3568	E77.2545	261	N18.3605	E77.2581
42	N18.3511	E77.2437	97	N18.3495	E77.2474	152	N18.3532	E77.2510	207	N18.3569	E77.2546	262	N18.3606	E77.2582
43	N18.3512	E77.2438	98	N18.3496	E77.2475	153	N18.3533	E77.2511	208	N18.3570	E77.2547	263	N18.3607	E77.2583
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46	N18.3515	E77.2441	101	N18.3499	E77.2478	156	N18.3536	E77.2514	211	N18.3573	E77.2550	266	N18.3610	E77.2586
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51	N18.3520	E77.2446	106	N18.3504	E77.2483	161	N18.3541	E77.2519	216	N18.3578	E77.2555	271	N18.3615	E77.2591
52	N18.3521	E77.2447	107	N18.3505	E77.2484	162	N18.3542	E77.2520	217	N18.3579	E77.2556	272	N18.3616	E77.2592
53	N18.3522	E77.2448	108	N18.3506	E77.2485	163	N18.3543	E77.2521	218	N18.3580	E77.2557	273	N18.3617	E77.2593
54	N18.3523	E77.2449	109	N18.3507	E77.2486	164	N18.3544	E77.2522	219	N18.3581	E77.2558	274	N18.3618	E77.2594
55	N18.3524	E77.2450	110	N18.3508	E77.2487	165	N18.3545	E77.2523	220	N18.3582	E77.2559	275	N18.3619	E77.2595
56	N18.3525	E77.2451	111	N18.3509	E77.2488	166	N18.3546	E77.2524	221	N18.3583	E77.2560	276	N18.3620	E77.2596
57	N18.3526	E77.2452	112	N18.3510	E77.2489	167	N18.3547	E77.2525	222	N18.3584	E77.2561	277	N18.3621	E77.2597
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68	N18.3537	E77.2463	123	N18.3521	E77.2500	178	N18.3558	E77.2536	233	N18.3595	E77.2572	288	N18.3632	E77.2608
69	N18.3538	E77.2464	124	N18.3522	E77.2501	179	N18.3559	E77.2537	234	N18.3596	E77.2573	289	N18.3633	E77.2609
70	N18.3539	E77.2465	125	N18.3523	E77.2502	180	N18.3560	E77.2538	235	N18.3597	E77.2574	290	N18.3634	E77.2610
71	N18.3540	E77.2466	126	N18.3524	E77.2503	181	N18.3561	E77.2539	236	N18.3598	E77.2575	291	N18.3635	E77.2611
72	N18.3541	E77.2467	127	N18.3525	E77.2504	182	N18.3562	E77.2540	237	N18.3599	E7			

EXTENT OF PROPOSED CA LAND



SCALE : 1:50000



DHABAKA VILLAGE BOUNDARY

PROPOSED C.A. LAND

CHIMAGAON VILLAGE BOUNDARY

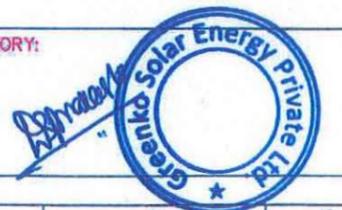


GREENKO SOLAR ENERGY PVT. LTD.

PROJECT: STANDALONE PUMPED STORAGE COMPONENT, SAUNDATTI INTEGRATED RENEWABLE ENERGY PROJECT

TITLE: CA LAND

AUTHORIZED SIGNATORY:



PAPER SIZE : A3

Survey Number wise extent of proposed CA Land Bidar District, Karnataka State		
Sl.No	Sy.No	Acr-Gunta
Dabka Village, Kamlanagar Taluk		
1	136	18-05
2	116	33-37
3	117	33-18
4	124	25-10
5	125	27-07
6	126	32-12
7	123	36-37
8	127	14-20
9	128	25-31
10	129	24-09
11	130	15-05
12	131	32-28
13	134	21-02
14	135	23-01
15	148	2-19
16	149	15-17
Sub-Total - A		381-00
Chimagoan Village, Kamlanagar Taluk		
17	57	17-00
Sub-Total - B		17-00
TOTAL : A+B (Acr)		398-45
TOTAL (Ha)-Approx		161.00

LEGEND	
	FOREST AREA
	PROPOSED C.A. LAND
	DHABAKA VILLAGE BOUNDARY
	CHIMAGAON VILLAGE BOUNDARY
	BOUNDARIES OF SURVEY NO's

ವಲಯ ಅಧ್ಯಕ್ಷ ಅಧಿಕಾರಿಗಳು
 ಪ್ರಾಥಮಿಕ ಅರಣ್ಯವಲಯ
 ಬಿದರ - ಸಾಂದತ್ತಿ

ವಲಯ ಅಧ್ಯಕ್ಷ ಅಧಿಕಾರಿಗಳು
 ಪ್ರಾಥಮಿಕ ಅರಣ್ಯವಲಯ

Deputy Conservator of Forests
 Territorial Division. BIDAR

GSEPL/DFO/CA/100220

10-02-2020

To
Deputy Conservator of Forests
Territorial Division, Bidar
Karnataka

Sub: Identification of Private Land for Compensatory Afforestation (CA) request for issuance of Land Suitability Certificate and Preparation of CA Scheme-Saundatti (1260 MW), Pumped Storage Project-reg

Ref: Your Office Letter No: AS: GreenkoSolarEnergy:CR-/2019-20 dated 06.11.2019

Sir,

With reference with your Office letter on the above-mentioned subject matter, Expert Team consisting of members from Sirsi, College of Forestry, Karnataka and Scientists from KVK, Zaheerabad has visited the proposed CA land in Dabka and Chimagaon Villages, Aurad Taluq, Karnataka on 26-27, Nov 2019. As per your Office instructions, soil samples were collected and packed under supervision by Forest Dept Officials and submitted to Sirsi, College of Forestry, Karnataka for analysis.

Sirsi, College of Forestry, Karnataka has undertaken the analysis for soil parameters vis-à-vis pH, EC, Organic carbon, N, P, K and submitted the soil analysis report vide letter dated 07-02-2020. The copy of the same is herewith submitted for your kind perusal and necessary action.

Thanking You

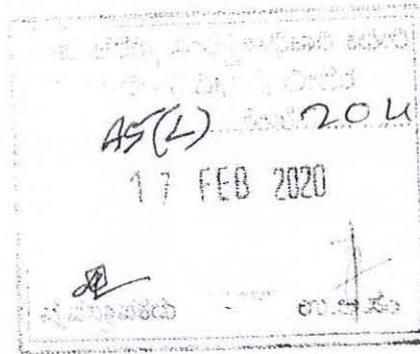
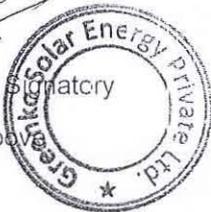
Yours sincerely

For Greenko Solar Energy Private Limited

Asprakash

Authorised Signatory

Encl: As above



Kondli, Prepare a CA scheme for other area of proposed Charalade Mish for the CA area



UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD
COLLEGE OF FORESTRY, SIRSI - 581 401
DEPARTMENT OF SILVICULTURE AND AGROFORESTRY

RAMESH. S. RATHOD
Assistant Professor

Phone No. 08384-228515
(M): 8618643104

Email: rsrat@rediffmail.com

No. CoFS/SAF/ /2019-20

Date: 07-02-2020

To,

M/s Greenko Solar Energy Private Limited
Plot No-8-2-293/A/1131A, Road No-36
Jubilee Hills, Hyderabad
Telangana-500033

Respected Sir,

Sub: Submission of report on study of soil properties of the area proposed for compensatory afforestation in Dabka and Chimagaon Villages, Aurad Taluq, Bidar District, Karnataka-reg

With reference to the letter No GESPL/UAD/CA/191104 dated 04-11-2019 on the above subject and subsequent site visit on 26-27, Nov, 2019 by team of Experts from College of Forestry, Sirsi. Find attached copy of site visit report of soil properties of the area proposed for compensatory afforestation in Dabka and Chimagaon Villages, Aurad Taluq, Bidar District, Karnataka.

Thanking you,

Yours faithfully


Assistant Professor
Department of Silviculture
College of Forestry
SIRSI-581-401

Encl: As above

Copy submitted to Dean (Forestry), College of Forestry, Sirsi for kind information

Soil Profile Details as included in Annexure of Soil Analysis Report

Block No	Horizon/Depth (cm)	Coordinates	Depth wise Structure (Based on visual observation)	Remarks
1	0-30	Lat: 18.350978 Long: 77.298428	Soil type - Murram with Gravel Colour - Brownish	Uncultivated Scrub Grass Land
	30-60		Soil type- Murram with small stones (1" size)	
	60-100		Soil type- Murram with flat stones (5-10 cm ø)	
2	0-30	Lat: 18.350900 Long: 77.292778	Soil type - Murram Gravel with small stones	Uncultivated Scrub Grass Land
	30-60		Soil type- Murram Gravel with stones	
	60-100		Soil type- Murram with flat stones (1-5 cm ø)	
3	0-30	Lat: 18.351007 Long: 77.296005	Soil type - Murram Gravel with small stones	Uncultivated Scrub Grass Land
	30-60		Soil type- Murram with Big stones	
	60-100		Soil type- Murram with flat stones (1-5 cm ø)	
4	0-30	Lat: 18.348547 Long: 77.298057	Soil type - Murram with stones & Gravel	Cultivated with Jowar Crop, presence of <i>Azadirachta indica</i>
	30-60		Soil type- Murram with flat stones-(1-3 cm)	
	60-100		Soil type- Murram with flat stones (1-6 cm)	
5	0-30	Lat: 18.347878 Long: 77.294177	Soil type - Murram with Gravel Colour - Brownish	Cultivated with Red gram presence of <i>Tamarindus indica</i> , <i>Ziziphus jujuba</i> , <i>Acacia nilotica</i> , <i>Butea monosperma</i> , <i>Careya arborea</i> , <i>Annona squamosa</i> , <i>Pongamia pinnata</i>
	30-60		Soil type- Murram without gravel	
	60-100		Soil type- Murram with gravel stones	
6	0-30	Lat: 18.345473 Long: 77.293320	Soil type - Murram without Gravel	Cultivated with Red Gram, presence of
	30-60		Soil type- Murram with less	

AS(L)
11 FEB 2020

Block No	Horizon/ Depth (cm)	Coordinates	Depth wise Structure (Based on visual observation)	Remarks
			gravel	<i>Tamarindus indica</i>
	60-100		Soil type- Murram with flat stones (1-5 cm \varnothing)	
7	0-30	Lat: 18.344737 Long: 77.289540	Soil type - Murram without Gravel	Uncultivated Scrub Grass Land, Presence of Neem tree
	30-60		Soil type- Murram with less gravel (1"-2" size)	
	60-100		Soil type- Murram with gravel	
8	0-30	Lat: 18.344464 Long: 77.285914	Soil type - Murram stones without stones, at top level only gravel Colour - Black	Cultivated Red Gram Close by Drainage(Nala), No trees
	30-60		Soil type- Gravel & pebbles; Colour - Black	
	60-100		Soil type- Murram stones & pebbles; Soil colour: Mixture of Black, gravel and stones more	
9	0-30	Lat: 18.340548 Long: 77.285233	Soil type - Murram with mixed gravel with pebbles Colour - Brownish	Uncultivated Scrub Grass Land, Drainage pattern with no vegetation at around 150-200m radius. presence of <i>Ziziphus jujuba</i> , <i>Lantana camara</i> , <i>Annona squamosa</i>
	30-60		Soil type- Murram with more stones & less of soil	
	60-100		Soil type- Murram with more stones & less of soil	
10	0-30	Lat: 18.346282 Long: 77.284767	Soil type - Murram with brown mixed gravel with pebbles Colour - Brownish	Uncultivated Scrub Grass Land, presence of <i>Ziziphus jujuba</i> , <i>Annona squamosa</i>
	30-60		Soil type- Murram with more stones & less of soil	
	60-100		Soil type- Murram with more stones & less of soil	
11	0-30	Lat: 18.347240 Long: 77.287748	Soil type - Murram with Gravel & stones	Cultivated Red Gram, presence of <i>Azadirachta indica</i>
	30-60		Soil type- Murram with stones (1-3 cm size)	
	60-100		Soil type- Murram with flat	

Block No	Horizon/ Depth (cm)	Coordinates	Depth wise Structure (Based on visual observation)	Remarks
			stones (1-5 cm \emptyset)	
12	0-30	Lat: 18.347968 Long: 77.289842	Soil type - Murram with Less Gravel	Uncultivated Scrub Grass
	30-60		Soil type- Murram with small flat stones	Land, presence of <i>Azadirachta indica</i> and <i>Acacia nilotica</i> , <i>Ziziphus jujuba</i>
	60-100		Soil type- Murram with flat stones (1-5 cm \emptyset)	
13	0-30	Lat: 18.349688 Long: 77.288852	Soil type - Murram with Gravel	Cultivated with Red Gram & Jowar, presence of <i>Ziziphus jujuba</i>
	30-60		Soil type- Murram with small stones (1-2 cm \emptyset)	
	60-100		Soil type- Murram with flat stones (1-6 cm \emptyset)	
14	0-30	Lat: 18.353550 Long: 77.288933	Soil type - Murram with less Gravel	Cultivated with Red gram presence of <i>Ziziphus jujuba</i> , <i>Emblica officinalis</i> , <i>Tectona grandis</i> , <i>Annona squamosa</i>
	30-60		Soil type- Murram brown colour with less gravels	
	60-100		Soil type- Murram with gravels	
15	0-30	Lat: 18.351885 Long: 77.286917	Soil type - Murram with less Gravel Colour - Brownish	Cultivated with Red gram, presence of <i>Azadirachta indica</i> and <i>Ziziphus jujuba</i>
	30-60		Soil type- Murram with less Gravel	
	60-100		Soil type- Murram with less Gravel	
16	0-30	Lat: 18.352750 Long: 77.283778	Soil type - Murram no gravel Colour - Black	Cultivated Red Gram, Near sample location there is presence of <i>Azadirachta indica</i> & <i>mangifera indica</i>
	30-60		Soil type- Murram with no gravel	
	60-100		Soil type- Murram with no gravel	


Assistant Professor

List of suitable Tree Species

Sl. No.	Scientific Name of Tree species
1.	<i>Acacia catechu</i>
2.	<i>Acacia nilotica</i>
3.	<i>Ailanthus excelsa</i>
4.	<i>Albizia amara</i>
5.	<i>Albizia lebbek</i>
6.	<i>Albizia procera</i>
7.	<i>Annona squamosa</i>
8.	<i>Anogeissus latifolia</i>
9.	<i>Azadirachta indica</i>
10.	<i>Butea monosperma</i>
11.	<i>Careya arborea</i>
12.	<i>Cassia auriculata</i>
13.	<i>Cassia fistula</i>
14.	<i>Dolichandrone atrovirens</i>
15.	<i>Dolichandrone falcata</i>
16.	<i>Embllica officinalis</i>
17.	<i>Ficus species</i>
18.	<i>Gliricidia sepium</i>
19.	<i>Lannea coromandelica</i>
20.	<i>Lantana camara</i>
21.	<i>Melia azadirach</i>
22.	<i>Morinda pubenscens</i>
23.	<i>Moringa oleifera</i>
24.	<i>Pongamia pinnata</i>
25.	<i>Prosopis juliflora</i>
26.	<i>Pterocarpus marsupium</i>
27.	<i>Syzygium cumini</i>
28.	<i>Tamarindus indica</i>
29.	<i>Tectona grandis</i>
30.	<i>Terminalia bellirica</i>
31.	<i>Ziziphus jujuba</i>
32.	<i>Ziziphus mauritiana</i>

Karakanalli Sy. No-82



Karakanalli Sy. No-82		
S.No	Latitude	Longitude
1	17.60554	77.43126
2	17.60804	77.43209
3	17.6063	77.43978
4	17.60781	77.43966
5	17.60692	77.44463
6	17.60011	77.44621
7	17.59569	77.44595
8	17.59233	77.44365
9	17.59311	77.44324
10	17.59304	77.44241
11	17.58919	77.44239
12	17.58939	77.44419
13	17.58661	77.4451
14	17.58371	77.44441
15	17.58461	77.44039
16	17.59991	77.43695

Google Earth

Image © 2020 Maxar Technologies

[Signature]
RANGE FOREST OFFICER,
HIMNABAD

[Signature]
 Deputy Conservator of Forests,
 Territorial Division, BIDAR