

ACHANAKMAR TIGER RESERVE, MUNGELI

DGPS survey of land identified for Compensatory Afforestation
of 255.300 Ha. in lieu of Relocation of Villages Tilaidabra,
Birarpani, & Chhirhatta from core area of Achanakmar Tiger
Reserve, Mungeli



DGPS SURVEY AND GIS MAPPING DONE BY:
Geotrax International Services
Raipur, Chhattisgarh.



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1. Introduction and Background

Relocation of Villages

1.1 Background

Total area of Achanakmar Tiger Reserve is 914.017 Square Kilometer, In which total Core area is 625.195 square kilometer and total Buffer area is 287.822 square kilometer. ATR are total 19 villages in Core area and 5 villages in Buffer area.

National Tiger Conservation Authority, According to guideline given by New Delhi F No. 3-1/2003-PT (Relocation) Feb 2008 in relation to keeping the core area of the Tiger Reserve to the non-people area, the relocation of the village which is situated in the Core Area of ATR has been proposed under the National Rehabilitation Policy 2013.

In the second phase, from the core area of ATR, it has been proposed to relocate three villages, Tilaidabra forest range Chhapparwa, & Birarpani and Chirhatta forest range Lormi.

1.2 Location and Communication of Proposed Relocated Villages

The location of the proposed Relocate villages are coming within Latitude 22°18'20.58"N to 22°20'22.06"N and Longitude 81°41'57.81"E to 81°42'49.24"E at Bharatpur & Latitude 22°17'18.29"N to 22°18'23.85"N and Longitude 81°47'08.44"E to 81°47'56.42"E at Sawatpur in the district of Mungeli, Chhattisgarh.

The details of the land proposed to be acquired for relocation of villages is given below.



Fig-1: Satellite Imagery showing location of proposed Ca Land in Lormi Range, Division-Mungeli.

1.3 Objective

As per directives of Ministry of Environment & Forests (MoEF) dated 8th July 2011; all applications for prospecting purpose in forest land under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file, showing the boundary of the proposed area (both soft copy and hard copy maps), prepared using Differential GPS (DGPS) and the same should be uploaded to MoEF website along with the online application.

As per Forest Conservation Act, 1980, para 3.2 (iv) of the guidelines issued "3.2(iv) Where non-forest land are not available or non-forest land is available in less extend to the forest area being diverted, compensatory afforestation may be carried out over degraded forest twice in extend to the area being diverted to the difference between forest land being diverted and available non-forest land, as the case may be"



To meet this requirement of MoEF, Achanakmar Tiger Reserve, Mungeli has entrusted M/s Geotrax International Services, Raipur, which is an empanelled agency (here in after called as DGPS Agency) of Directorate of Geology and Mines, Chhattisgarh (Ref. Circular No. F-7-14/2013/12, dated. 10.11.2014) for conducting DGPS & GIS mapping of 255.300 Hectares of compensatory afforestation land located in Lormi Range & under Mungeli Forest Division of Mungeli district, Chhattisgarh.

2. Scope of Work

1. Establishment of one Primary base station with 72 Hours observation and secondary base control points with 4 hours observation near the CA Land sites.
2. DGPS Survey for collection of ground coordinates along the CA Land boundary (Intermediate point fixed at every 50m interval and/or at every turn/bend along the boundary of the sites)
3. Data processing and Interpretation
 - a. Geo-referencing of Stock(Forest) Maps (Map Scale-1:15000).
 - b. Preparation of Geo-referenced map of the CA Land area using the DGPS Surveyed data.
 - c. Superimposition of Geo-referenced CA Land boundary on Stock Maps and SOI Toposheet.
 - d. Computation of total area of proposed CA Land sites and creation of tabular report indicating coordinates (latitude and longitude) of the vertices (at every turn/bend) for each CA Land site.
 - e. Computation of total Perimeter of CA Land Boundary.
 - f. Preparation of DGPS survey report along with soft copy of – maps in shapefile format and kml file.
 - g. Printing of DGPS Survey report and Geo-referenced maps (2 sets) and Technical compliance.
4. Establishment of permanent RCC pillars at boundary corner of the CA Land sites after the final acceptance of the survey report.

3. Deliverables

The deliverables envisaged for the assignment are described below:

1. DGPS Coordinates.
2. DGPS Reports - Base line & network adjustment report for the primary and Secondary Control Points.
3. Geo-referenced Stock maps & SOI Toposheet maps based on DGPS observations – Hard and Soft Copy (SHP and KML formats).
4. Lease Boundary area statement as per DGPS Survey.
5. DGPS Survey and Mapping report.

4. Brief description of the Technical approach

4.1 Input Data

ATR Mungeli, has provided the details (location and approx. area) of the sites identified for compensatory afforestation in lieu of relocation of villages Tilaidabra, Birarpani, & Chhirhatta from core area of Achanakmar Tiger Reserve. The 255.300 Ha land has been identified and proposed as suitable for CA land. It falls in Mungeli forest division of Chhattisgarh. Based on the input provided, DGPS Survey plan is created.

4.2 Planning DGPS Survey

Based on the input data (maps) the location of DGPS base station - Primary and Secondary Control Points (PCP and SCP) in the project area are planned. One PCP with 72 hours observation was planned and established in Koni Forest Guest House, Bilaspur. Based on the CA land site details provided by ATR, Secondary Control Points (SCP) locations were planned using satellite imagery. For the establishment of SCP coordinates a DGPS Static Observation for at least 3 hours duration at each of the Secondary Control Points is planned.

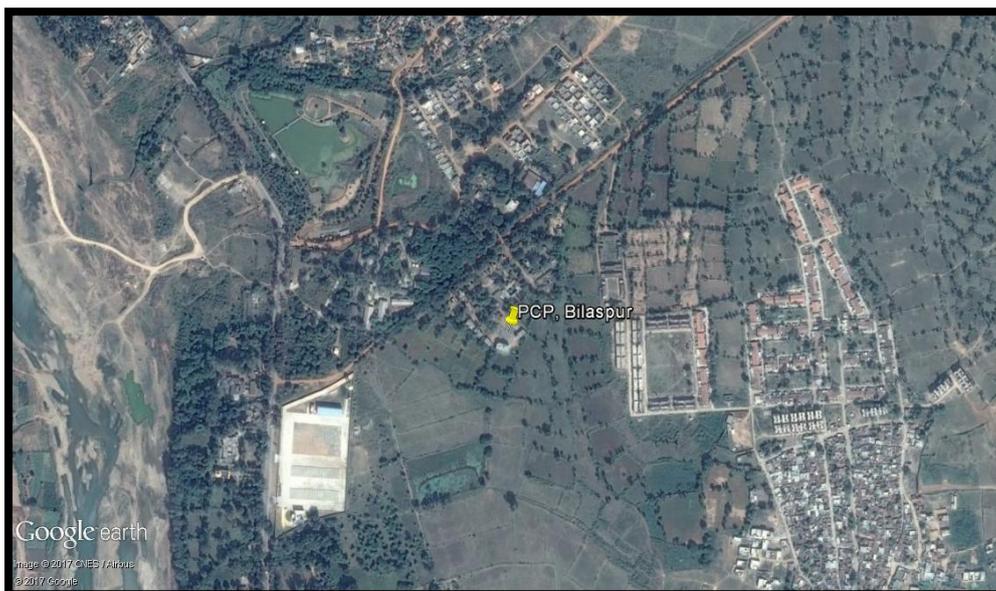


Fig-2: Satellite Image showing the location of the Primary Control Point in Bilaspur.

4.3 Establishment of Primary Control Point

The primary Control Point (PCP) with 72 hours of DGPS Observation was established as the DGPS base station in Bilaspur. Bilaspur-PCP was established in the Koni Forest Guest House, Bilaspur. The 72 hours of observation was carried out using DGPS. As per Survey of India (SOI) Guideline, the PCP has to be fixed through continuous observation for 72 hours duration. The observed data was processed with reference to the data of International GNSS Service (IGS) stations as per SOI guideline (IGS processed report is enclosed as Annexure-1).

The coordinate of the PCP is as follows:

Point ID	Latitude (d:m:s)	Longitude (d:m:s)	Ellipsoidal Height(m)
Bilaspur -PCP	22°06'49.35084"N	82°08'27.44597"E	213.16



Fig-3: Image showing Bilaspur Primary Control Point (PCP)

4.4 Establishment of Secondary Control Points (SCP)

The Secondary Control Point (SCP) with 2-4 hours of static observation was established at various locations. The SCP's were established in static mode and the DGPS data was processed with reference to the Primary Control Point. The static data is Post Processed using Trimble Business Centre software for obtaining the SCP coordinates.



4.4.1 Bharatpur SCP Location

Point ID	Latitude (d:m:s)	Longitude (d:m:s)	Ellipsoidal Height (m)
Bharatpur - SCP	22°19'04.13400"N	81°41'59.87400"E	271.24

4.5 DGPS Survey Procedure

DGPS survey was carried out using a pair of DGPS instrument. One DGPS Instrument was used as Base Station. The Base station for the survey was established at the nearest Secondary Control Point. The distance between the Base Station TBM and rover was always less than 5km.

The other DGPS instrument was working as Rover. The survey was conducted in Real Time Kinematic (RTK) mode. The Survey team carried out DGPS Survey of boundary points by walking along the compartment boundary. DGPS readings were collected at every 50m distance along compartment boundary and at every turn or bend.

4.6 Creation of Vector Layers of the Compartment Boundary

The surveyed points captured through DGPS were plotted in the GIS Software and the boundary line was created by joining the points. The boundary polygon was created using the polylines. The boundary pillar coordinates are computed and the final compartment boundary polygon is created. After Geo-referencing the Forest Map and SOI Toposheet, the boundary layer is superimposed on it. For each site a map layout showing the total area is prepared and printed along with a table showing the coordinates of pillar points.

4.7 Specification of DGPS Equipment

Geotrax deployed the most advance and hi-precision devices to carry out the DGPS survey. The DGPS performance specifications are given below. The corresponding fact sheets are placed below for ready reference.

COMNAV

T300 GNSS Receiver



Features

- **Ultra small**
- **Super light**
- **Many user-friendly conveniences built in**
- **GPS L1/L2/L5, BeiDou B1/B2/B3, GLONASS L1/L2**
- **Low power consumption**
- **Support long baseline E-RTK'**

RTK robust enough for challenging environments, in a device that is light and easy to carry

With decades of experience in the surveying GNSS receiver, the T300 is a product which combines lots of market proved advantages together. It can track all the working GNSS constellations. By using ComNav's unique QUAN™ algorithm technology, it can function in RTK mode with all the GNSS constellations or by using any single GNSS constellation such as GLONASS or BeiDou. The strong anti-interference ability of the receiver makes it possible to work in any environment.

Design driven to improve user experience

Our R&D people are always thinking about how to improve the physical experience of users and workflow in the field. With this in mind, the T300 integrates a cutting edge GNSS board, Bluetooth®, UHF (Rx&Tx) into a compact board. Smart design makes the T300 the lightest and smallest (volume) receiver in the world.

Hot swap battery design

Extending the field working time is also a passion for our R&D people. They do lots of tests and analysis to reduce the power consumption, and make the whole system work more efficiently. In parallel, they've designed in the capability to hot swap the battery source. When the warning sounds and LED flashes, put your second battery in place. Then recharge the first while you keep working.

Consumer grade batteries... always available

Losing power in the field is significantly inconvenient for users, as the batteries for GNSS receivers are often unusual types and not readily available. Once again our R&D people developed a solution so that the T300 runs on normal consumer batteries.

Signal Tracking

- 256 channels with simultaneously tracked satellite signals
- GPS: L1 C/A, L1 C, L2 P, L5
- BeiDou: B1, B2, B3
- GLONASS: L1, L2
- SBAS: WAAS, EGNOS, MSAS, GAGAN

Performance Specifications

- Cold start: <50 s
- Warm start: <30 s
- Hot start: <15 s
- Initialization time: <10 s
- Singal re-acquisition: <2 s
- Initialization reliability: >99.9%

Positioning Specifications

- Post Processing Static
 - Horizontal: 2.5 mm + 0.5 ppm RMS
 - Vertical: 5 mm + 0.5 ppm RMS
- Real Time Kinematic
 - Horizontal: 8 mm + 1 ppm RMS
 - Vertical: 15 mm + 1 ppm RMS
- E-RTK¹ (baseline<100 km)
 - Horizontal: 0.2 m + 1 ppm RMS
 - Vertical: 0.4 m + 1 ppm RMS
- Code differential GNSS positioning
 - Horizontal: 0.25 m+ 1 ppm RMS
 - Vertical: 0.5 m + 1 ppm RMS
- SBAS: Typically <1 m 3D RMS
- Standalone: <1.5 m 3D RMS

Communications and Memory

- 1 Serial port (7 pin Lemo),
Baud rates up to 921,600 bps.
- Radio modem: Tx/Rx with full frequency range from 410-470 MHz²
 - Transmit power: 0.5-2W adjustable
 - Range: 1-4 km
- Position data output rates: 1 Hz, 2 Hz, 5 Hz, 10 Hz
- 5 LEDs (indicating Power, Satellite Tracking, Bluetooth[®] and Differential Data)
- Bluetooth[®]: V 2.X protocol, work compatible with Windows 7, Windows mobile and Android

Data Format

- Correction data I/O:
 - RTCM 2.x, 3.x, CMR (GPS only), CMR+ (GPS only).
- Position data output:
 - ASCII: NMEA-0183 GSV, RMC, HDT, VHD, GGA, GSA, ZDA, VTG, GST, PJK, PTNL
 - ComNav Binary update to 20 Hz

Physical

- Size(W×H): 15.8 cm × 7.5 cm
- Weight: 0.95 kg (include 2 batteries)

Environmental

- Operating temperature: -40 °C to +85 °C (40 °F to 149 °F)
- Storage temperature: -40 °C to +85 °C (40 °F to 185 °F)
- Humidity: 100% condensation
- Waterproof and dust proof: IP67 protected from temporary immersion to depth of 1 meter, floats
- Shock: survives a 2 meter drop on to concrete

Electrical

- Input Voltage: 5-27 VDC
- Power consumption: 2.85 W (3 constellations)³
- Li-ion battery capacity: 2 × 1800 mAh, up to 8 hours typically
- Memory: 256 MB internal with up to 16 GB pluggable memory card

Software

- ComNav field data collection software CGSurvey
- Carlson's SurvCE field data collection software (optional)
- MicroSurvey's FieldGenius field data collection software (optional)

- 1 E-RTK, BeiDou B3 signal used in RTK calculate engine; concern the current situation, this mode can be used in APAC.
- 2 410-470 MHz, 3 frequency range, 410-430, 430-460, 460-470, need to clarify when place the order.
- 3 Power consumption will increase if using internal radio modem transmitter.

Specifications subject to change without notice.

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4.8 Company Profile: Geotrax

Geotrax International Services (www.geotrax.in) is a Professional Land Mapping and Services provider across India established in the year 1999. During the last 14+ years, we had an opportunity to execute a variety of surveying jobs all over India and in the Middle East to various customer specifications for RIS, LIS, and Municipal GIS oriented jobs. Cadastral Surveys using ETS/DGPS and Provision of Ground control conforming to stringent accuracy standards using high end instruments as RTK/GPRS DGPS is our specialty. We also have a UAV (Drone) and Ground Penetrating Radar (on Roaster).

Geotrax is headed by Mr. V.V.S Bandhakavi (Ex-employee, Survey of India) who has more than 40+ years' experience in the field of surveying in India and abroad.

Some of our major clients include:

- Odisha Space Application Centre (ORSAC)
- Steel Authority of India (SAIL)
- National Thermal Power Corporation (NTPC)
- Survey Settlement and Land Records Department (Govt. Of Gujarat)
- Survey Settlement and Land Records Department (Govt. Of Madhya Pradesh)
- Irrigation Dept. (Govt. of Jammu and Kashmir)
- National Remote Sensing Agency (Hyderabad)
- Meinhardt India Private Limited (Delhi),
- Nagarjuna Construction Company (NCC, Hyderabad)
- Consulting Engineering Services (CES, New Delhi)
- Lee Associates of South Asia (LASA, Delhi)
- Power development Corporation (Govt. of Jammu and Kashmir)



Geotrax expertise covers:

- ❖ DGPS Surveys for Mining lease boundary, and Forest Diversion
- ❖ Consultancy services for Mining Plan & EIA
- ❖ Boundary and cadastral surveys using DGPS and Total station;
- ❖ Topographic surveys.
- ❖ Ground control surveys for photogrammetric projects, including Airborne GPS.
- ❖ Only one of the two companies in India who are empanelled by NRSA for DGPS survey for ground control point collection
- ❖ Route and alignment surveys combining conventional and photogrammetric methods.
- ❖ Construction and cross-section surveys (from road design to precision layout and quality control).

Being a client focused organization, Geotrax's combination of survey equipment, personnel, and computer resources allow for the tailoring of the project approach to match the orders of accuracy and precision requirements for each project. Geotrax's equipment resources include 250 DGPS, 33 hand-held GPS units, theodolites, electronic digital and automatic levels, 19 Electronic Total Stations, and data collectors.

On the mapping side, our CAD and GIS professionals assist the survey projects by creating accurate maps. We have dedicated CAD experts who have extensive experience with different CAD software.

5. DGPS Survey Results

For each site identified for compensatory Afforestation in lieu of Relocation of villages from core area of Achanakmar Tiger Reserve, a geo-referenced map showing the boundary of the sites along with an area statement is prepared. The DGPS coordinates of the pillars of each site is in Annexure-1. The geo-referenced maps showing the location of the sites are in Annexure -3.

Total Area Proposed in Mungeli district for CA is 255.300 Ha.

SCHEDULE OF PROPOSED AREA FOR RELOCATION OF VILLAGES						
Sr. No.	Patch No	Division	Range	Compartment Type	Compartment No.	Proposed Area(Ha)
1	Patch No-1	Mungeli	Lormi(T)	Reserve Forest	558	119.389
2	Patch No-2				557	9.411
3	Patch No-3				97	73.253
4	Patch No-4					53.247
Total Proposed Area						255.300

6. Annexure

6.1 Annexure – 1: DGPS Surveyed Pillar coordinates of CA Land Sites– Datum: WGS 84, Projection: UTM Zone 44 N

6.1.1. DGPS Surveyed Pillar coordinates of Village: Bharatpur.

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
1	Patch No-1	P-1	573225.151	2470555.141	22°20'21.44528"	81°42'39.93713"
2	Patch No-1	P-2	573240.041	2470569.300	22°20'21.90348"	81°42'40.45998"
3	Patch No-1	P-3	573253.261	2470571.733	22°20'21.98057"	81°42'40.92255"
4	Patch No-1	P-4	573265.775	2470568.237	22°20'21.86493"	81°42'41.35942"
5	Patch No-1	P-5	573279.831	2470549.338	22°20'21.24818"	81°42'41.84768"
6	Patch No-1	P-6	573278.053	2470536.686	22°20'20.83700"	81°42'41.78344"
7	Patch No-1	P-7	573271.647	2470521.769	22°20'20.35287"	81°42'41.55701"
8	Patch No-1	P-8	573263.448	2470516.072	22°20'20.16885"	81°42'41.26948"
9	Patch No-1	P-9	573255.726	2470476.807	22°20'18.89315"	81°42'40.99303"
10	Patch No-1	P-10	573245.333	2470427.917	22°20'17.30480"	81°42'40.62168"
11	Patch No-1	P-11	573228.910	2470364.985	22°20'15.26074"	81°42'40.03719"
12	Patch No-1	P-12	573210.376	2470335.342	22°20'14.29957"	81°42'39.38439"
13	Patch No-1	P-13	573185.115	2470292.222	22°20'12.90116"	81°42'38.49425"
14	Patch No-1	P-14	573157.695	2470250.462	22°20'11.54728"	81°42'37.52882"
15	Patch No-1	P-15	573128.293	2470210.127	22°20'10.24009"	81°42'36.49439"
16	Patch No-1	P-16	573094.879	2470172.932	22°20'09.03558"	81°42'35.32022"
17	Patch No-1	P-17	573050.042	2470117.258	22°20'07.23191"	81°42'33.74370"
18	Patch No-1	P-18	573039.899	2470080.077	22°20'06.02431"	81°42'33.38301"
19	Patch No-1	P-19	573032.780	2470040.792	22°20'04.74782"	81°42'33.12768"
20	Patch No-1	P-20	573023.396	2469991.727	22°20'03.15363"	81°42'32.79159"
21	Patch No-1	P-21	573010.753	2469943.352	22°20'01.58238"	81°42'32.34168"
22	Patch No-1	P-22	572995.651	2469878.074	22°19'59.46183"	81°42'31.80306"
23	Patch No-1	P-23	572992.676	2469836.902	22°19'58.12333"	81°42'31.69229"
24	Patch No-1	P-24	572987.958	2469795.643	22°19'56.78228"	81°42'31.52059"
25	Patch No-1	P-25	572980.366	2469746.287	22°19'55.17835"	81°42'31.24710"
26	Patch No-1	P-26	572977.719	2469696.445	22°19'53.55787"	81°42'31.14639"
27	Patch No-1	P-27	572973.821	2469646.600	22°19'51.93747"	81°42'31.00194"
28	Patch No-1	P-28	572975.273	2469596.802	22°19'50.31778"	81°42'31.04450"
29	Patch No-1	P-29	572967.256	2469547.561	22°19'48.71766"	81°42'30.75618"
30	Patch No-1	P-30	572959.548	2469498.202	22°19'47.11366"	81°42'30.47864"

Sr. No.	Patch No	Point ID	Easting''m''	Northing''m''	Latitude''N''	Longitude''E''
31	Patch No-1	P-31	572950.920	2469449.026	22°19'45.51576"	81°42'30.16896"
32	Patch No-1	P-32	572935.334	2469401.718	22°19'43.97964"	81°42'29.61640"
33	Patch No-1	P-33	572917.130	2469355.210	22°19'42.46995"	81°42'28.97243"
34	Patch No-1	P-34	572904.508	2469306.917	22°19'40.90136"	81°42'28.52331"
35	Patch No-1	P-35	572900.457	2469257.254	22°19'39.28692"	81°42'28.37353"
36	Patch No-1	P-36	572919.521	2469224.705	22°19'38.22547"	81°42'29.03459"
37	Patch No-1	P-37	572934.567	2469209.873	22°19'37.74082"	81°42'29.55809"
38	Patch No-1	P-38	572947.956	2469203.636	22°19'37.53597"	81°42'30.02507"
39	Patch No-1	P-39	572949.505	2469197.548	22°19'37.33774"	81°42'30.07822"
40	Patch No-1	P-40	572936.525	2469172.583	22°19'36.52785"	81°42'29.62041"
41	Patch No-1	P-41	572928.292	2469175.642	22°19'36.62859"	81°42'29.33312"
42	Patch No-1	P-42	572925.274	2469198.097	22°19'37.35930"	81°42'29.23130"
43	Patch No-1	P-43	572916.492	2469201.607	22°19'37.47478"	81°42'28.92493"
44	Patch No-1	P-44	572906.657	2469180.163	22°19'36.77890"	81°42'28.57763"
45	Patch No-1	P-45	572915.441	2469164.746	22°19'36.27620"	81°42'28.88213"
46	Patch No-1	P-46	572911.981	2469150.993	22°19'35.82947"	81°42'28.75891"
47	Patch No-1	P-47	572921.904	2469145.508	22°19'35.64957"	81°42'29.10489"
48	Patch No-1	P-48	572924.752	2469134.955	22°19'35.30595"	81°42'29.20270"
49	Patch No-1	P-49	572921.403	2469100.399	22°19'34.18268"	81°42'29.07995"
50	Patch No-1	P-50	572907.399	2469040.237	22°19'32.22830"	81°42'28.58060"
51	Patch No-1	P-51	572891.226	2469050.056	22°19'32.55009"	81°42'28.01687"
52	Patch No-1	P-52	572878.766	2469045.233	22°19'32.39517"	81°42'27.58057"
53	Patch No-1	P-53	572864.817	2469046.413	22°19'32.43567"	81°42'27.09319"
54	Patch No-1	P-54	572868.016	2469021.687	22°19'31.63107"	81°42'27.20095"
55	Patch No-1	P-55	572861.740	2469012.335	22°19'31.32790"	81°42'26.98003"
56	Patch No-1	P-56	572838.036	2469011.340	22°19'31.29914"	81°42'26.15132"
57	Patch No-1	P-57	572838.420	2469001.667	22°19'30.98453"	81°42'26.16315"
58	Patch No-1	P-58	572848.826	2468985.657	22°19'30.46226"	81°42'26.52425"
59	Patch No-1	P-59	572865.044	2468955.007	22°19'29.46303"	81°42'27.08612"
60	Patch No-1	P-60	572879.259	2468949.734	22°19'29.28940"	81°42'27.58215"
61	Patch No-1	P-61	572893.131	2468939.858	22°19'28.96610"	81°42'28.06540"
62	Patch No-1	P-62	572903.622	2468924.411	22°19'28.46214"	81°42'28.42956"
63	Patch No-1	P-63	572922.813	2468879.355	22°19'26.99396"	81°42'29.09299"
64	Patch No-1	P-64	572917.556	2468873.153	22°19'26.79308"	81°42'28.90821"
65	Patch No-1	P-65	572897.518	2468867.826	22°19'26.62291"	81°42'28.20692"
66	Patch No-1	P-66	572855.643	2468828.789	22°19'25.35979"	81°42'26.73683"
67	Patch No-1	P-67	572873.401	2468805.915	22°19'24.61318"	81°42'27.35378"
68	Patch No-1	P-68	572911.500	2468781.545	22°19'23.81486"	81°42'28.68151"
69	Patch No-1	P-69	572928.190	2468802.862	22°19'24.50556"	81°42'29.26838"
70	Patch No-1	P-70	572951.590	2468798.284	22°19'24.35309"	81°42'30.08555"

Sr. No.	Patch No	Point ID	Easting'm''	Northing'm''	Latitude'N''	Longitude'E''
71	Patch No-1	P-71	572946.175	2468791.280	22°19'24.12615"	81°42'29.89510"
72	Patch No-1	P-72	572930.690	2468778.458	22°19'23.71154"	81°42'29.35174"
73	Patch No-1	P-73	572932.698	2468758.799	22°19'23.07189"	81°42'29.41872"
74	Patch No-1	P-74	572959.391	2468737.461	22°19'22.37391"	81°42'30.34825"
75	Patch No-1	P-75	572971.718	2468741.269	22°19'22.49584"	81°42'30.77972"
76	Patch No-1	P-76	572976.416	2468756.220	22°19'22.98134"	81°42'30.94641"
77	Patch No-1	P-77	572984.416	2468763.456	22°19'23.21546"	81°42'31.22722"
78	Patch No-1	P-78	572996.830	2468725.762	22°19'21.98773"	81°42'31.65493"
79	Patch No-1	P-79	572988.265	2468714.279	22°19'21.61561"	81°42'31.35368"
80	Patch No-1	P-80	572993.278	2468708.468	22°19'21.42584"	81°42'31.52796"
81	Patch No-1	P-81	572996.098	2468698.484	22°19'21.10073"	81°42'31.62487"
82	Patch No-1	P-82	573004.957	2468690.729	22°19'20.84718"	81°42'31.93325"
83	Patch No-1	P-83	573018.546	2468691.879	22°19'20.88250"	81°42'32.40843"
84	Patch No-1	P-84	573036.357	2468710.076	22°19'21.47157"	81°42'33.03396"
85	Patch No-1	P-85	573043.724	2468708.123	22°19'21.40692"	81°42'33.29115"
86	Patch No-1	P-86	573041.623	2468690.058	22°19'20.81976"	81°42'33.21473"
87	Patch No-1	P-87	573043.340	2468677.960	22°19'20.42607"	81°42'33.27277"
88	Patch No-1	P-88	573054.512	2468662.311	22°19'19.91544"	81°42'33.66070"
89	Patch No-1	P-89	573068.195	2468668.289	22°19'20.10774"	81°42'34.13997"
90	Patch No-1	P-90	573074.073	2468659.665	22°19'19.82639"	81°42'34.34400"
91	Patch No-1	P-91	573070.821	2468653.984	22°19'19.64213"	81°42'34.22941"
92	Patch No-1	P-92	573065.681	2468652.286	22°19'19.58771"	81°42'34.04946"
93	Patch No-1	P-93	573056.537	2468645.244	22°19'19.36011"	81°42'33.72870"
94	Patch No-1	P-94	573010.545	2468631.565	22°19'18.92228"	81°42'32.11887"
95	Patch No-1	P-95	572982.070	2468637.846	22°19'19.13089"	81°42'31.12460"
96	Patch No-1	P-96	572970.250	2468616.013	22°19'18.42268"	81°42'30.70786"
97	Patch No-1	P-97	572953.839	2468605.749	22°19'18.09137"	81°42'30.13254"
98	Patch No-1	P-98	572957.265	2468590.592	22°19'17.59796"	81°42'30.24980"
99	Patch No-1	P-99	572964.962	2468576.619	22°19'17.14237"	81°42'30.51656"
100	Patch No-1	P-100	572985.962	2468567.047	22°19'16.82785"	81°42'31.24900"
101	Patch No-1	P-101	573005.497	2468573.383	22°19'17.03094"	81°42'31.93286"
102	Patch No-1	P-102	573019.135	2468573.180	22°19'17.02223"	81°42'32.40952"
103	Patch No-1	P-103	573033.676	2468568.161	22°19'16.85680"	81°42'32.91695"
104	Patch No-1	P-104	573047.091	2468568.529	22°19'16.86673"	81°42'33.38591"
105	Patch No-1	P-105	573057.563	2468535.579	22°19'15.79356"	81°42'33.74652"
106	Patch No-1	P-106	573052.745	2468536.276	22°19'15.81696"	81°42'33.57822"
107	Patch No-1	P-107	573037.178	2468548.378	22°19'16.21290"	81°42'33.03610"
108	Patch No-1	P-108	573023.683	2468553.539	22°19'16.38282"	81°42'32.56525"
109	Patch No-1	P-109	573002.000	2468544.646	22°19'16.09693"	81°42'31.80590"
110	Patch No-1	P-110	572988.839	2468532.611	22°19'15.70754"	81°42'31.34391"

Sr. No.	Patch No	Point ID	Easting'm''	Northing'm''	Latitude'N''	Longitude'E''
111	Patch No-1	P-111	572988.356	2468516.069	22°19'15.16967"	81°42'31.32431"
112	Patch No-1	P-112	572998.495	2468504.377	22°19'14.78787"	81°42'31.67677"
113	Patch No-1	P-113	573016.831	2468499.824	22°19'14.63702"	81°42'32.31692"
114	Patch No-1	P-114	573037.396	2468510.906	22°19'14.99427"	81°42'33.03755"
115	Patch No-1	P-115	573040.278	2468509.951	22°19'14.96275"	81°42'33.13814"
116	Patch No-1	P-116	573040.437	2468449.198	22°19'12.98701"	81°42'33.13370"
117	Patch No-1	P-117	572990.614	2468451.023	22°19'13.05396"	81°42'31.39255"
118	Patch No-1	P-118	572970.407	2468447.505	22°19'12.94264"	81°42'30.68566"
119	Patch No-1	P-119	572965.557	2468425.328	22°19'12.22218"	81°42'30.51251"
120	Patch No-1	P-120	572954.634	2468376.536	22°19'10.63710"	81°42'30.12272"
121	Patch No-1	P-121	572946.054	2468327.325	22°19'09.03805"	81°42'29.81473"
122	Patch No-1	P-122	572940.565	2468286.882	22°19'07.72365"	81°42'29.61624"
123	Patch No-1	P-123	572921.549	2468230.847	22°19'05.90426"	81°42'28.94240"
124	Patch No-1	P-124	572905.107	2468183.633	22°19'04.37132"	81°42'28.35998"
125	Patch No-1	P-125	572883.297	2468109.044	22°19'01.94897"	81°42'27.58543"
126	Patch No-1	P-126	572869.737	2468079.609	22°19'00.99379"	81°42'27.10665"
127	Patch No-1	P-127	572821.120	2468059.765	22°19'00.35587"	81°42'25.40412"
128	Patch No-1	P-128	572807.192	2468038.257	22°18'59.65852"	81°42'24.91378"
129	Patch No-1	P-129	572810.097	2467976.713	22°18'57.65663"	81°42'25.00526"
130	Patch No-1	P-130	572812.456	2467926.769	22°18'56.03205"	81°42'25.07951"
131	Patch No-1	P-131	572816.829	2467876.981	22°18'54.41225"	81°42'25.22422"
132	Patch No-1	P-132	572822.212	2467827.271	22°18'52.79484"	81°42'25.40422"
133	Patch No-1	P-133	572829.775	2467777.878	22°18'51.18739"	81°42'25.66047"
134	Patch No-1	P-134	572838.453	2467728.638	22°18'49.58475"	81°42'25.95570"
135	Patch No-1	P-135	572847.665	2467679.502	22°18'47.98541"	81°42'26.26963"
136	Patch No-1	P-136	572857.450	2467630.470	22°18'46.38936"	81°42'26.60360"
137	Patch No-1	P-137	572866.291	2467581.279	22°18'44.78829"	81°42'26.90454"
138	Patch No-1	P-138	572870.913	2467531.493	22°18'43.16851"	81°42'27.05793"
139	Patch No-1	P-139	572880.210	2467482.408	22°18'41.57080"	81°42'27.37484"
140	Patch No-1	P-140	572887.313	2467432.992	22°18'39.96267"	81°42'27.61497"
141	Patch No-1	P-141	572893.313	2467369.139	22°18'37.88520"	81°42'27.81421"
142	Patch No-1	P-142	572910.020	2467322.309	22°18'36.35972"	81°42'28.39047"
143	Patch No-1	P-143	572916.798	2467286.805	22°18'35.20408"	81°42'28.62153"
144	Patch No-1	P-144	572927.597	2467220.449	22°18'33.04449"	81°42'28.98807"
145	Patch No-1	P-145	572949.417	2467196.483	22°18'32.26177"	81°42'29.74676"
146	Patch No-1	P-146	572968.859	2467175.871	22°18'31.58846"	81°42'30.42290"
147	Patch No-1	P-147	573028.088	2467135.525	22°18'30.26735"	81°42'32.48633"
148	Patch No-1	P-148	573070.232	2467108.663	22°18'29.38733"	81°42'33.95487"
149	Patch No-1	P-149	573112.767	2467082.438	22°18'28.52797"	81°42'35.43715"
150	Patch No-1	P-150	573139.242	2467062.981	22°18'27.89118"	81°42'36.35924"

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
151	Patch No-1	P-151	573176.968	2467016.821	22°18'26.38423"	81°42'37.67017"
152	Patch No-1	P-152	573158.568	2467006.538	22°18'26.05266"	81°42'37.02538"
153	Patch No-1	P-153	573160.864	2466989.312	22°18'25.49211"	81°42'37.10282"
154	Patch No-1	P-154	573168.698	2466982.715	22°18'25.27637"	81°42'37.37552"
155	Patch No-1	P-155	573231.194	2466962.610	22°18'24.61297"	81°42'39.55641"
156	Patch No-1	P-156	573227.782	2466950.311	22°18'24.21350"	81°42'39.43515"
157	Patch No-1	P-157	573231.180	2466939.517	22°18'23.86195"	81°42'39.55213"
158	Patch No-1	P-158	573222.127	2466924.045	22°18'23.36019"	81°42'39.23318"
159	Patch No-1	P-159	573191.300	2466904.664	22°18'22.73461"	81°42'38.15261"
160	Patch No-1	P-160	573165.109	2466905.120	22°18'22.75346"	81°42'37.23733"
161	Patch No-1	P-161	573155.254	2466908.182	22°18'22.85454"	81°42'36.89340"
162	Patch No-1	P-162	573114.557	2466937.096	22°18'23.80108"	81°42'35.47579"
163	Patch No-1	P-163	573095.430	2466973.471	22°18'24.98696"	81°42'34.81329"
164	Patch No-1	P-164	573096.342	2467008.424	22°18'26.12350"	81°42'34.85093"
165	Patch No-1	P-165	573079.612	2467017.934	22°18'26.43532"	81°42'34.26776"
166	Patch No-1	P-166	573018.945	2467004.552	22°18'26.00941"	81°42'32.14529"
167	Patch No-1	P-167	572976.728	2467009.494	22°18'26.17656"	81°42'30.67063"
168	Patch No-1	P-168	572926.879	2467009.716	22°18'26.19139"	81°42'28.92845"
169	Patch No-1	P-169	572889.989	2467004.044	22°18'26.01256"	81°42'27.63820"
170	Patch No-1	P-170	572896.415	2466952.428	22°18'24.33299"	81°42'27.85433"
171	Patch No-1	P-171	572925.012	2466891.060	22°18'22.33289"	81°42'28.84373"
172	Patch No-1	P-172	572956.633	2466872.575	22°18'21.72693"	81°42'29.94584"
173	Patch No-1	P-173	572969.394	2466853.381	22°18'21.10078"	81°42'30.38868"
174	Patch No-1	P-174	572970.992	2466835.701	22°18'20.52557"	81°42'30.44165"
175	Patch No-1	P-175	572962.609	2466823.102	22°18'20.11713"	81°42'30.14660"
176	Patch No-1	P-176	572944.003	2466831.292	22°18'20.38632"	81°42'29.49767"
177	Patch No-1	P-177	572928.267	2466846.994	22°18'20.89934"	81°42'28.95026"
178	Patch No-1	P-178	572920.720	2466859.237	22°18'21.29866"	81°42'28.68851"
179	Patch No-1	P-179	572885.007	2466872.217	22°18'21.72623"	81°42'27.44249"
180	Patch No-1	P-180	572856.814	2466847.589	22°18'20.92959"	81°42'26.45311"
181	Patch No-1	P-181	572838.910	2466823.799	22°18'20.15864"	81°42'25.82351"
182	Patch No-1	P-182	572819.581	2466790.519	22°18'19.07932"	81°42'25.14251"
183	Patch No-1	P-183	572820.220	2466811.068	22°18'19.74747"	81°42'25.16821"
184	Patch No-1	P-184	572815.723	2466829.221	22°18'20.33853"	81°42'25.01402"
185	Patch No-1	P-185	572801.701	2466840.219	22°18'20.69830"	81°42'24.52575"
186	Patch No-1	P-186	572784.536	2466847.809	22°18'20.94774"	81°42'23.92709"
187	Patch No-1	P-187	572740.493	2466878.257	22°18'21.94467"	81°42'22.39280"
188	Patch No-1	P-188	572746.144	2466924.153	22°18'23.43638"	81°42'22.59781"
189	Patch No-1	P-189	572730.181	2466960.786	22°18'24.63013"	81°42'22.04588"
190	Patch No-1	P-190	572737.504	2466967.142	22°18'24.83571"	81°42'22.30286"

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
191	Patch No-1	P-191	572746.695	2466967.185	22°18'24.83571"	81°42'22.62409"
192	Patch No-1	P-192	572759.943	2466964.481	22°18'24.74577"	81°42'23.08665"
193	Patch No-1	P-193	572779.777	2466968.525	22°18'24.87426"	81°42'23.78050"
194	Patch No-1	P-194	572781.909	2466984.339	22°18'25.38822"	81°42'23.85760"
195	Patch No-1	P-195	572772.666	2466995.359	22°18'25.74800"	81°42'23.53637"
196	Patch No-1	P-196	572752.405	2467003.956	22°18'26.03068"	81°42'22.82967"
197	Patch No-1	P-197	572744.273	2467013.401	22°18'26.33905"	81°42'22.54699"
198	Patch No-1	P-198	572746.419	2467026.054	22°18'26.75023"	81°42'22.62409"
199	Patch No-1	P-199	572757.007	2467041.908	22°18'27.26419"	81°42'22.99671"
200	Patch No-1	P-200	572758.777	2467056.535	22°18'27.73961"	81°42'23.06095"
201	Patch No-1	P-201	572756.885	2467067.984	22°18'28.11223"	81°42'22.99671"
202	Patch No-1	P-202	572748.753	2467077.429	22°18'28.42061"	81°42'22.71403"
203	Patch No-1	P-203	572746.493	2467088.876	22°18'28.79323"	81°42'22.63694"
204	Patch No-1	P-204	572753.753	2467108.665	22°18'29.43568"	81°42'22.89392"
205	Patch No-1	P-205	572765.769	2467133.613	22°18'30.24518"	81°42'23.31794"
206	Patch No-1	P-206	572761.651	2467149.398	22°18'30.75914"	81°42'23.17660"
207	Patch No-1	P-207	572750.173	2467166.729	22°18'31.32450"	81°42'22.77827"
208	Patch No-1	P-208	572752.875	2467190.877	22°18'32.10941"	81°42'22.87667"
209	Patch No-1	P-209	572761.021	2467205.500	22°18'32.58371"	81°42'23.16375"
210	Patch No-1	P-210	572766.064	2467227.649	22°18'33.30326"	81°42'23.34363"
211	Patch No-1	P-211	572775.962	2467233.622	22°18'33.49600"	81°42'23.69056"
212	Patch No-1	P-212	572793.265	2467228.567	22°18'33.32896"	81°42'24.29447"
213	Patch No-1	P-213	572863.185	2467213.881	22°18'32.84069"	81°42'26.73579"
214	Patch No-1	P-214	572873.085	2467219.458	22°18'33.02058"	81°42'27.08272"
215	Patch No-1	P-215	572884.297	2467259.022	22°18'34.30549"	81°42'27.48104"
216	Patch No-1	P-216	572878.699	2467276.775	22°18'34.88370"	81°42'27.28831"
217	Patch No-1	P-217	572862.098	2467288.945	22°18'35.28202"	81°42'26.71010"
218	Patch No-1	P-218	572838.897	2467297.529	22°18'35.56470"	81°42'25.90060"
219	Patch No-1	P-219	572817.208	2467297.032	22°18'35.55185"	81°42'25.14251"
220	Patch No-1	P-220	572794.083	2467289.417	22°18'35.30772"	81°42'24.33301"
221	Patch No-1	P-221	572790.745	2467295.723	22°18'35.51330"	81°42'24.21737"
222	Patch No-1	P-222	572791.040	2467311.133	22°18'36.01442"	81°42'24.23022"
223	Patch No-1	P-223	572798.237	2467344.356	22°18'37.09374"	81°42'24.48720"
224	Patch No-1	P-224	572807.029	2467351.114	22°18'37.31218"	81°42'24.79558"
225	Patch No-1	P-225	572823.533	2467359.488	22°18'37.58201"	81°42'25.37379"
226	Patch No-1	P-226	572830.845	2467368.215	22°18'37.86469"	81°42'25.63077"
227	Patch No-1	P-227	572824.902	2467381.226	22°18'38.28871"	81°42'25.42519"
228	Patch No-1	P-228	572809.410	2467392.216	22°18'38.64848"	81°42'24.88553"
229	Patch No-1	P-229	572776.895	2467400.756	22°18'38.93116"	81°42'23.75052"
230	Patch No-1	P-230	572763.258	2467408.199	22°18'39.17529"	81°42'23.27511"

Sr. No.	Patch No	Point ID	Easting'm''	Northing'm''	Latitude'N''	Longitude'E''
231	Patch No-1	P-231	572751.488	2467409.329	22°18'39.21384"	81°42'22.86394"
232	Patch No-1	P-232	572732.769	2467402.920	22°18'39.00826"	81°42'22.20863"
233	Patch No-1	P-233	572723.207	2467403.666	22°18'39.03395"	81°42'21.87456"
234	Patch No-1	P-234	572723.545	2467409.989	22°18'39.23954"	81°42'21.88740"
235	Patch No-1	P-235	572739.584	2467439.302	22°18'40.19037"	81°42'22.45276"
236	Patch No-1	P-236	572738.413	2467453.915	22°18'40.66579"	81°42'22.41422"
237	Patch No-1	P-237	572729.540	2467464.541	22°18'41.01271"	81°42'22.10584"
238	Patch No-1	P-238	572666.543	2467492.694	22°18'41.93785"	81°42'19.90865"
239	Patch No-1	P-239	572655.815	2467506.868	22°18'42.40042"	81°42'19.53602"
240	Patch No-1	P-240	572658.410	2467521.423	22°18'42.87336"	81°42'19.62910"
241	Patch No-1	P-241	572669.620	2467542.097	22°18'43.54399"	81°42'20.02429"
242	Patch No-1	P-242	572680.984	2467549.262	22°18'43.77527"	81°42'20.42261"
243	Patch No-1	P-243	572683.130	2467561.915	22°18'44.18644"	81°42'20.49970"
244	Patch No-1	P-244	572680.102	2467580.471	22°18'44.79035"	81°42'20.39691"
245	Patch No-1	P-245	572655.446	2467585.887	22°18'44.97023"	81°42'19.53602"
246	Patch No-1	P-246	572634.525	2467578.677	22°18'44.73895"	81°42'18.80362"
247	Patch No-1	P-247	572625.014	2467568.360	22°18'44.40487"	81°42'18.46955"
248	Patch No-1	P-248	572621.421	2467550.564	22°18'43.82666"	81°42'18.34106"
249	Patch No-1	P-249	572613.014	2467540.252	22°18'43.49259"	81°42'18.04553"
250	Patch No-1	P-250	572599.423	2467537.818	22°18'43.41549"	81°42'17.57011"
251	Patch No-1	P-251	572591.300	2467545.287	22°18'43.65963"	81°42'17.28743"
252	Patch No-1	P-252	572587.064	2467563.849	22°18'44.26394"	81°42'17.14240"
253	Patch No-1	P-253	572591.498	2467581.637	22°18'44.84174"	81°42'17.30028"
254	Patch No-1	P-254	572610.099	2467613.332	22°18'45.86967"	81°42'17.95558"
255	Patch No-1	P-255	572616.489	2467657.381	22°18'47.30120"	81°42'18.18612"
256	Patch No-1	P-256	572611.330	2467664.702	22°18'47.54005"	81°42'18.00698"
257	Patch No-1	P-257	572596.634	2467662.658	22°18'47.47581"	81°42'17.49302"
258	Patch No-1	P-258	572580.876	2467651.916	22°18'47.12888"	81°42'16.94051"
259	Patch No-1	P-259	572555.460	2467631.475	22°18'46.46799"	81°42'16.04885"
260	Patch No-1	P-260	572524.608	2467656.395	22°18'47.28307"	81°42'14.97459"
261	Patch No-1	P-261	572498.441	2467670.496	22°18'47.74564"	81°42'14.06231"
262	Patch No-1	P-262	572474.516	2467676.707	22°18'47.95122"	81°42'13.22712"
263	Patch No-1	P-263	572435.803	2467700.627	22°18'48.73502"	81°42'11.87796"
264	Patch No-1	P-264	572428.819	2467700.595	22°18'48.73502"	81°42'11.63383"
265	Patch No-1	P-265	572422.225	2467695.428	22°18'48.56798"	81°42'11.40255"
266	Patch No-1	P-266	572412.399	2467674.046	22°18'47.87413"	81°42'11.05562"
267	Patch No-1	P-267	572404.310	2467674.404	22°18'47.88698"	81°42'10.77294"
268	Patch No-1	P-268	572393.601	2467684.627	22°18'48.22105"	81°42'10.40032"
269	Patch No-1	P-269	572377.273	2467717.344	22°18'49.28753"	81°42'09.83496"
270	Patch No-1	P-270	572347.820	2467747.480	22°18'50.27201"	81°42'08.81046"

Sr. No.	Patch No	Point ID	Easting'm'	Northing'm'	Latitude"N'	Longitude"E'
271	Patch No-1	P-271	572315.586	2467780.274	22°18'51.34338"	81°42'07.68916"
272	Patch No-1	P-272	572295.079	2467842.210	22°18'53.36069"	81°42'06.98246"
273	Patch No-1	P-273	572276.659	2467850.421	22°18'53.63052"	81°42'06.34001"
274	Patch No-1	P-274	572252.750	2467853.471	22°18'53.73331"	81°42'05.50482"
275	Patch No-1	P-275	572247.577	2467858.978	22°18'53.91320"	81°42'05.32493"
276	Patch No-1	P-276	572272.491	2467877.269	22°18'54.50426"	81°42'06.19867"
277	Patch No-1	P-277	572298.612	2467873.044	22°18'54.36292"	81°42'07.11095"
278	Patch No-1	P-278	572315.132	2467877.863	22°18'54.51711"	81°42'07.68916"
279	Patch No-1	P-279	572323.527	2467890.940	22°18'54.94113"	81°42'07.98469"
280	Patch No-1	P-280	572322.380	2467900.417	22°18'55.24951"	81°42'07.94614"
281	Patch No-1	P-281	572290.691	2467916.074	22°18'55.76347"	81°42'06.84112"
282	Patch No-1	P-282	572244.041	2467907.955	22°18'55.50649"	81°42'05.20929"
283	Patch No-1	P-283	572231.171	2467908.685	22°18'55.53219"	81°42'04.75957"
284	Patch No-1	P-284	572223.495	2467899.167	22°18'55.22381"	81°42'04.48974"
285	Patch No-1	P-285	572207.360	2467890.400	22°18'54.94113"	81°42'03.92438"
286	Patch No-1	P-286	572195.181	2467900.616	22°18'55.27520"	81°42'03.50036"
287	Patch No-1	P-287	572188.149	2467910.856	22°18'55.60928"	81°42'03.25623"
288	Patch No-1	P-288	572189.529	2467930.223	22°18'56.23889"	81°42'03.30762"
289	Patch No-1	P-289	572204.519	2467948.072	22°18'56.81709"	81°42'03.83443"
290	Patch No-1	P-290	572212.217	2467952.849	22°18'56.97128"	81°42'04.10426"
291	Patch No-1	P-291	572212.502	2467970.630	22°18'57.54949"	81°42'04.11711"
292	Patch No-1	P-292	572190.017	2467983.564	22°18'57.97351"	81°42'03.33332"
293	Patch No-1	P-293	572178.014	2468010.071	22°18'58.83735"	81°42'02.91810"
294	Patch No-1	P-294	572175.044	2468041.180	22°18'59.84948"	81°42'02.81936"
295	Patch No-1	P-295	572202.434	2468080.422	22°19'01.12154"	81°42'03.78304"
296	Patch No-1	P-296	572218.908	2468095.118	22°19'01.59696"	81°42'04.36125"
297	Patch No-1	P-297	572218.855	2468106.575	22°19'01.96958"	81°42'04.36125"
298	Patch No-1	P-298	572216.247	2468114.070	22°19'02.21371"	81°42'04.27130"
299	Patch No-1	P-299	572198.938	2468120.707	22°19'02.43215"	81°42'03.66740"
300	Patch No-1	P-300	572191.079	2468139.240	22°19'03.03605"	81°42'03.39573"
301	Patch No-1	P-301	572213.481	2468173.016	22°19'04.13110"	81°42'04.18422"
302	Patch No-1	P-302	572241.117	2468214.685	22°19'05.48201"	81°42'05.15694"
303	Patch No-1	P-303	572266.593	2468257.657	22°19'06.87565"	81°42'06.05437"
304	Patch No-1	P-304	572290.376	2468301.633	22°19'08.30217"	81°42'06.89279"
305	Patch No-1	P-305	572312.294	2468346.573	22°19'09.76033"	81°42'07.66621"
306	Patch No-1	P-306	572333.613	2468391.800	22°19'11.22792"	81°42'08.41871"
307	Patch No-1	P-307	572355.475	2468436.752	22°19'12.68650"	81°42'09.19019"
308	Patch No-1	P-308	572378.863	2468480.940	22°19'14.11996"	81°42'10.01486"
309	Patch No-1	P-309	572400.596	2468525.969	22°19'15.58107"	81°42'10.78182"
310	Patch No-1	P-310	572422.695	2468570.821	22°19'17.03631"	81°42'11.56157"

Sr. No.	Patch No	Point ID	Easting'm"	Northing'm"	Latitude'N"	Longitude'E"
311	Patch No-1	P-311	572440.943	2468607.855	22°19'18.23792"	81°42'12.20542"
312	Patch No-1	P-312	572459.655	2468663.507	22°19'20.04494"	81°42'12.86855"
313	Patch No-1	P-313	572475.590	2468710.900	22°19'21.58377"	81°42'13.43327"
314	Patch No-1	P-314	572491.820	2468758.190	22°19'23.11922"	81°42'14.00827"
315	Patch No-1	P-315	572509.347	2468805.018	22°19'24.63942"	81°42'14.62855"
316	Patch No-1	P-316	572526.874	2468851.845	22°19'26.15961"	81°42'15.24883"
317	Patch No-1	P-317	572542.546	2468899.325	22°19'27.70131"	81°42'15.80437"
318	Patch No-1	P-318	572558.188	2468946.815	22°19'29.24335"	81°42'16.35887"
319	Patch No-1	P-319	572573.635	2468994.369	22°19'30.78749"	81°42'16.90660"
320	Patch No-1	P-320	572591.273	2469041.123	22°19'32.30528"	81°42'17.53073"
321	Patch No-1	P-321	572609.613	2469087.634	22°19'33.81506"	81°42'18.17942"
322	Patch No-1	P-322	572627.004	2469134.512	22°19'35.33691"	81°42'18.79497"
323	Patch No-1	P-323	572646.727	2469180.451	22°19'36.82788"	81°42'19.49190"
324	Patch No-1	P-324	572667.872	2469225.712	22°19'38.29658"	81°42'20.23841"
325	Patch No-1	P-325	572685.206	2469271.462	22°19'39.78178"	81°42'20.85180"
326	Patch No-1	P-326	572691.429	2469320.985	22°19'41.39133"	81°42'21.07744"
327	Patch No-1	P-327	572700.904	2469370.062	22°19'42.98590"	81°42'21.41664"
328	Patch No-1	P-328	572715.750	2469417.807	22°19'44.53634"	81°42'21.94341"
329	Patch No-1	P-329	572728.831	2469466.057	22°19'46.10348"	81°42'22.40858"
330	Patch No-1	P-330	572744.361	2469513.572	22°19'47.64632"	81°42'22.95919"
331	Patch No-1	P-331	572759.650	2469561.163	22°19'49.19168"	81°42'23.50142"
332	Patch No-1	P-332	572772.942	2469609.363	22°19'50.75718"	81°42'23.97394"
333	Patch No-1	P-333	572787.759	2469657.081	22°19'52.30673"	81°42'24.49972"
334	Patch No-1	P-334	572804.641	2469704.145	22°19'53.83471"	81°42'25.09753"
335	Patch No-1	P-335	572822.321	2469751.242	22°19'55.36364"	81°42'25.72329"
336	Patch No-1	P-336	572835.881	2469776.378	22°19'56.17900"	81°42'26.20141"
337	Patch No-1	P-337	572853.872	2469845.194	22°19'58.41419"	81°42'26.84160"
338	Patch No-1	P-338	572864.870	2469893.962	22°19'59.99848"	81°42'27.23403"
339	Patch No-1	P-339	572875.440	2469942.832	22°20'01.58614"	81°42'27.61155"
340	Patch No-1	P-340	572886.011	2469991.702	22°20'03.17381"	81°42'27.98908"
341	Patch No-1	P-341	572898.433	2470040.130	22°20'04.74682"	81°42'28.43126"
342	Patch No-1	P-342	572911.066	2470088.507	22°20'06.31816"	81°42'28.88082"
343	Patch No-1	P-343	572923.389	2470136.963	22°20'07.89210"	81°42'29.31956"
344	Patch No-1	P-344	572936.723	2470185.121	22°20'09.45617"	81°42'29.79356"
345	Patch No-1	P-345	572962.457	2470255.201	22°20'11.73128"	81°42'30.70467"
346	Patch No-1	P-346	572976.194	2470276.776	22°20'12.43082"	81°42'31.18840"
347	Patch No-1	P-347	573027.195	2470330.883	22°20'14.18263"	81°42'32.98017"
348	Patch No-1	P-348	573060.089	2470368.540	22°20'15.40222"	81°42'34.13623"
349	Patch No-1	P-349	573095.313	2470403.999	22°20'16.54996"	81°42'35.37342"
350	Patch No-1	P-350	573130.970	2470439.051	22°20'17.68440"	81°42'36.62565"
351	Patch No-1	P-351	573164.874	2470475.787	22°20'18.87390"	81°42'37.81690"
352	Patch No-1	P-352	573197.631	2470513.509	22°20'20.09562"	81°42'38.96823"

Sr. No.	Patch No	Point ID	Easting''m''	Northing''m''	Latitude''N''	Longitude''E''
353	Patch No-2	P-353	573176.123	2470517.677	22°20'20.23447"	81°42'38.21705"
354	Patch No-2	P-354	573142.975	2470480.245	22°20'19.02222"	81°42'37.05210"
355	Patch No-2	P-355	573109.827	2470442.812	22°20'17.80996"	81°42'35.88716"
356	Patch No-2	P-356	573075.088	2470406.861	22°20'16.64612"	81°42'34.66688"
357	Patch No-2	P-357	573040.102	2470371.140	22°20'15.48983"	81°42'33.43796"
358	Patch No-2	P-358	573005.115	2470335.420	22°20'14.33353"	81°42'32.20906"
359	Patch No-2	P-359	572972.658	2470297.425	22°20'13.10287"	81°42'31.06821"
360	Patch No-2	P-360	572952.245	2470272.678	22°20'12.30123"	81°42'30.35055"
361	Patch No-2	P-361	572931.862	2470229.911	22°20'10.91353"	81°42'29.63100"
362	Patch No-2	P-362	572909.926	2470161.251	22°20'08.68400"	81°42'28.85291"
363	Patch No-2	P-363	572865.357	2470180.290	22°20'09.30996"	81°42'27.29805"
364	Patch No-2	P-364	572819.377	2470199.932	22°20'09.95574"	81°42'25.69393"
365	Patch No-2	P-365	572773.397	2470219.573	22°20'10.60152"	81°42'24.08982"
366	Patch No-2	P-366	572719.898	2470242.427	22°20'11.35289"	81°42'22.22339"
367	Patch No-2	P-367	572743.842	2470294.947	22°20'13.05722"	81°42'23.06902"
368	Patch No-2	P-368	572769.068	2470350.278	22°20'14.85278"	81°42'23.95993"
369	Patch No-2	P-369	572798.378	2470391.967	22°20'16.20405"	81°42'24.99137"
370	Patch No-2	P-370	572831.089	2470437.932	22°20'17.69387"	81°42'26.14238"
371	Patch No-2	P-371	572865.255	2470480.744	22°20'19.08094"	81°42'27.34377"
372	Patch No-2	P-372	572889.897	2470505.987	22°20'19.89810"	81°42'28.20934"
373	Patch No-2	P-373	572924.824	2470541.766	22°20'21.05631"	81°42'29.43618"
374	Patch No-2	P-374	572961.433	2470575.746	22°20'22.15575"	81°42'30.72152"
375	Patch No-2	P-375	572987.270	2470598.156	22°20'22.88059"	81°42'31.62842"
376	Patch No-2	P-376	573051.704	2470584.905	22°20'22.43983"	81°42'33.87872"
377	Patch No-2	P-377	573100.491	2470573.971	22°20'22.07675"	81°42'35.58240"
378	Patch No-2	P-378	573149.227	2470562.806	22°20'21.70620"	81°42'37.28425"
379	Patch No-2	P-379	573204.712	2470549.815	22°20'21.27522"	81°42'39.22175"

6.1.1. DGPS Surveyed Pillar coordinates of Village: Sawatpur.

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
380	Patch No-3	P-380	581683.122	2465302.521	22°17'29.25726"	81°47'34.64062"
381	Patch No-3	P-381	581652.924	2465321.356	22°17'29.87496"	81°47'33.58881"
382	Patch No-3	P-382	581612.783	2465339.179	22°17'30.46142"	81°47'32.18934"
383	Patch No-3	P-383	581606.213	2465358.681	22°17'31.09672"	81°47'31.96333"
384	Patch No-3	P-384	581555.942	2465392.547	22°17'32.20664"	81°47'30.21280"
385	Patch No-3	P-385	581546.722	2465408.733	22°17'32.73459"	81°47'29.89354"
386	Patch No-3	P-386	581519.438	2465417.917	22°17'33.03790"	81°47'28.94180"
387	Patch No-3	P-387	581493.556	2465437.251	22°17'33.67104"	81°47'28.04086"
388	Patch No-3	P-388	581452.614	2465465.947	22°17'34.61124"	81°47'26.61540"
389	Patch No-3	P-389	581409.826	2465494.723	22°17'35.55430"	81°47'25.12539"
390	Patch No-3	P-390	581361.695	2465489.607	22°17'35.39613"	81°47'23.44248"
391	Patch No-3	P-391	581312.175	2465482.711	22°17'35.18028"	81°47'21.71071"
392	Patch No-3	P-392	581262.668	2465475.874	22°17'34.96635"	81°47'19.97940"
393	Patch No-3	P-393	581213.241	2465468.353	22°17'34.73015"	81°47'18.25080"
394	Patch No-3	P-394	581163.754	2465461.208	22°17'34.50621"	81°47'16.52015"
395	Patch No-3	P-395	581114.283	2465453.958	22°17'34.27883"	81°47'14.79002"
396	Patch No-3	P-396	581064.729	2465447.340	22°17'34.07199"	81°47'13.05713"
397	Patch No-3	P-397	581015.052	2465441.701	22°17'33.89704"	81°47'11.32010"
398	Patch No-3	P-398	580969.454	2465435.808	22°17'33.71311"	81°47'09.72559"
399	Patch No-3	P-399	580951.731	2465486.803	22°17'35.37449"	81°47'09.11552"
400	Patch No-3	P-400	580945.782	2465517.918	22°17'36.38734"	81°47'08.91329"
401	Patch No-3	P-401	580996.579	2465563.560	22°17'37.86303"	81°47'10.69673"
402	Patch No-3	P-402	581032.345	2465598.491	22°17'38.99296"	81°47'11.95297"
403	Patch No-3	P-403	581069.515	2465631.879	22°17'40.07242"	81°47'13.25799"
404	Patch No-3	P-404	581105.999	2465666.036	22°17'41.17705"	81°47'14.53916"
405	Patch No-3	P-405	581141.848	2465700.891	22°17'42.30444"	81°47'15.79831"
406	Patch No-3	P-406	581178.974	2465734.334	22°17'43.38573"	81°47'17.10180"
407	Patch No-3	P-407	581223.450	2465771.628	22°17'44.59097"	81°47'18.66289"
408	Patch No-3	P-408	581250.022	2465788.428	22°17'45.13282"	81°47'19.59456"
409	Patch No-3	P-409	581251.038	2465809.841	22°17'45.82898"	81°47'19.63397"
410	Patch No-3	P-410	581228.992	2465805.028	22°17'45.67621"	81°47'18.86266"
411	Patch No-3	P-411	581183.562	2465801.689	22°17'45.57533"	81°47'17.27444"
412	Patch No-3	P-412	581153.948	2465806.389	22°17'45.73322"	81°47'16.24038"
413	Patch No-3	P-413	581123.632	2465822.678	22°17'46.26807"	81°47'15.18392"
414	Patch No-3	P-414	581068.727	2465864.986	22°17'47.65324"	81°47'13.27290"
415	Patch No-3	P-415	581046.272	2465894.383	22°17'48.61305"	81°47'12.49353"
416	Patch No-3	P-416	581015.921	2465934.118	22°17'49.91037"	81°47'11.44011"
417	Patch No-3	P-417	580974.943	2465972.996	22°17'51.18163"	81°47'10.01512"
418	Patch No-3	P-418	580954.927	2465985.516	22°17'51.59218"	81°47'09.31789"
419	Patch No-3	P-419	580960.082	2466002.941	22°17'52.15796"	81°47'09.50122"

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
420	Patch No-3	P-420	581009.451	2466018.370	22°17'52.65135"	81°47'11.22933"
421	Patch No-3	P-421	581050.636	2466057.490	22°17'53.91658"	81°47'12.67573"
422	Patch No-3	P-422	581071.726	2466086.400	22°17'54.85317"	81°47'13.41803"
423	Patch No-3	P-423	581133.058	2466120.604	22°17'55.95508"	81°47'15.56763"
424	Patch No-3	P-424	581188.473	2466138.244	22°17'56.51933"	81°47'17.50743"
425	Patch No-3	P-425	581211.845	2466164.814	22°17'57.37942"	81°47'18.32907"
426	Patch No-3	P-426	581237.463	2466206.484	22°17'58.73019"	81°47'19.23197"
427	Patch No-3	P-427	581241.089	2466237.738	22°17'59.74595"	81°47'19.36437"
428	Patch No-3	P-428	581236.287	2466268.084	22°18'00.73363"	81°47'19.20210"
429	Patch No-3	P-429	581245.750	2466319.458	22°18'02.40272"	81°47'19.54218"
430	Patch No-3	P-430	581255.649	2466366.022	22°18'03.91531"	81°47'19.89664"
431	Patch No-3	P-431	581280.703	2466386.795	22°18'04.58659"	81°47'20.77601"
432	Patch No-3	P-432	581315.435	2466412.907	22°18'05.42984"	81°47'21.99457"
433	Patch No-3	P-433	581324.086	2466426.982	22°18'05.88609"	81°47'22.29949"
434	Patch No-3	P-434	581350.614	2466441.886	22°18'06.36625"	81°47'23.22931"
435	Patch No-3	P-435	581403.624	2466495.959	22°18'08.11570"	81°47'25.09179"
436	Patch No-3	P-436	581417.066	2466537.263	22°18'09.45664"	81°47'25.56910"
437	Patch No-3	P-437	581432.704	2466583.001	22°18'10.94138"	81°47'26.12399"
438	Patch No-3	P-438	581451.500	2466620.573	22°18'12.16002"	81°47'26.78775"
439	Patch No-3	P-439	581469.359	2466667.247	22°18'13.67482"	81°47'27.42046"
440	Patch No-3	P-440	581488.121	2466713.565	22°18'15.17787"	81°47'28.08464"
441	Patch No-3	P-441	581505.235	2466760.528	22°18'16.70220"	81°47'28.69134"
442	Patch No-3	P-442	581511.454	2466795.432	22°18'17.83624"	81°47'28.91509"
443	Patch No-3	P-443	581517.416	2466881.330	22°18'20.62864"	81°47'29.13919"
444	Patch No-3	P-444	581551.115	2466911.201	22°18'21.59428"	81°47'30.32238"
445	Patch No-3	P-445	581577.106	2466947.718	22°18'22.77740"	81°47'31.23746"
446	Patch No-3	P-446	581603.688	2466988.036	22°18'24.08400"	81°47'32.17384"
447	Patch No-3	P-447	581643.722	2466985.830	22°18'24.00542"	81°47'33.57258"
448	Patch No-3	P-448	581693.636	2466982.908	22°18'23.90188"	81°47'35.31650"
449	Patch No-3	P-449	581757.789	2466975.375	22°18'23.64592"	81°47'37.55719"
450	Patch No-3	P-450	581800.618	2466973.954	22°18'23.59240"	81°47'39.05377"
451	Patch No-3	P-451	581812.387	2466941.559	22°18'22.53690"	81°47'39.45913"
452	Patch No-3	P-452	581846.260	2466907.464	22°18'21.42232"	81°47'40.63668"
453	Patch No-3	P-453	581891.918	2466845.359	22°18'19.39486"	81°47'42.22091"
454	Patch No-3	P-454	581891.921	2466812.423	22°18'18.32376"	81°47'42.21497"
455	Patch No-3	P-455	581891.927	2466762.423	22°18'16.69776"	81°47'42.20596"
456	Patch No-3	P-456	581894.337	2466712.509	22°18'15.07415"	81°47'42.28102"
457	Patch No-3	P-457	581897.919	2466662.638	22°18'13.45171"	81°47'42.39701"
458	Patch No-3	P-458	581896.728	2466612.676	22°18'11.82716"	81°47'42.34619"
459	Patch No-3	P-459	581877.290	2466566.646	22°18'10.33358"	81°47'41.65839"

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
460	Patch No-3	P-460	581862.448	2466531.854	22°18'09.20468"	81°47'41.13330"
461	Patch No-3	P-461	581836.318	2466497.884	22°18'08.10446"	81°47'40.21388"
462	Patch No-3	P-462	581807.781	2466460.785	22°18'06.90287"	81°47'39.20975"
463	Patch No-3	P-463	581792.397	2466406.633	22°18'05.14448"	81°47'38.66215"
464	Patch No-3	P-464	581775.237	2466342.679	22°18'03.06763"	81°47'38.05070"
465	Patch No-3	P-465	581771.164	2466290.324	22°18'01.36571"	81°47'37.89875"
466	Patch No-3	P-466	581693.151	2466273.580	22°18'00.83454"	81°47'35.16930"
467	Patch No-3	P-467	581623.398	2466258.610	22°18'00.35962"	81°47'32.72890"
468	Patch No-3	P-468	581577.744	2466238.221	22°17'59.70435"	81°47'31.12967"
469	Patch No-3	P-469	581532.090	2466217.832	22°17'59.04908"	81°47'29.53046"
470	Patch No-3	P-470	581486.437	2466197.442	22°17'58.39380"	81°47'27.93124"
471	Patch No-3	P-471	581459.886	2466185.585	22°17'58.01271"	81°47'27.00119"
472	Patch No-3	P-472	581400.742	2466146.446	22°17'56.74997"	81°47'24.92713"
473	Patch No-3	P-473	581351.935	2466114.147	22°17'55.70792"	81°47'23.21558"
474	Patch No-3	P-474	581341.691	2466073.958	22°17'54.40271"	81°47'22.85022"
475	Patch No-3	P-475	581331.298	2466033.184	22°17'53.07851"	81°47'22.47956"
476	Patch No-3	P-476	581321.773	2465958.572	22°17'50.65372"	81°47'22.13306"
477	Patch No-3	P-477	581337.278	2465929.776	22°17'49.71465"	81°47'22.66965"
478	Patch No-3	P-478	581355.110	2465896.659	22°17'48.63464"	81°47'23.28678"
479	Patch No-3	P-479	581417.494	2465896.016	22°17'48.60311"	81°47'25.46675"
480	Patch No-3	P-480	581467.491	2465895.501	22°17'48.57784"	81°47'27.21389"
481	Patch No-3	P-481	581517.489	2465894.985	22°17'48.55256"	81°47'28.96103"
482	Patch No-3	P-482	581562.666	2465916.344	22°17'49.23944"	81°47'30.54373"
483	Patch No-3	P-483	581608.006	2465937.408	22°17'49.91673"	81°47'32.13208"
484	Patch No-3	P-484	581654.215	2465956.475	22°17'50.52889"	81°47'33.75041"
485	Patch No-3	P-485	581689.278	2465968.954	22°17'50.92871"	81°47'34.97805"
486	Patch No-3	P-486	581739.938	2466001.559	22°17'51.98040"	81°47'36.75444"
487	Patch No-3	P-487	581781.909	2466011.154	22°17'52.28524"	81°47'38.22294"
488	Patch No-3	P-488	581779.750	2465951.720	22°17'50.35281"	81°47'38.13656"
489	Patch No-3	P-489	581783.187	2465901.921	22°17'48.73277"	81°47'38.24755"
490	Patch No-3	P-490	581786.007	2465875.183	22°17'47.86275"	81°47'38.34116"
491	Patch No-3	P-491	581775.314	2465802.861	22°17'45.51264"	81°47'37.95420"
492	Patch No-3	P-492	581766.974	2465753.562	22°17'43.91086"	81°47'37.65370"
493	Patch No-3	P-493	581758.365	2465704.308	22°17'42.31061"	81°47'37.34381"
494	Patch No-3	P-494	581749.757	2465655.055	22°17'40.71036"	81°47'37.03392"
495	Patch No-3	P-495	581739.902	2465606.036	22°17'39.11793"	81°47'36.68055"
496	Patch No-3	P-496	581730.034	2465557.020	22°17'37.52560"	81°47'36.32670"
497	Patch No-3	P-497	581720.562	2465507.926	22°17'35.93069"	81°47'35.98667"
498	Patch No-3	P-498	581711.362	2465458.780	22°17'34.33402"	81°47'35.65614"
499	Patch No-3	P-499	581702.190	2465409.628	22°17'32.73717"	81°47'35.32662"
500	Patch No-3	P-500	581693.427	2465360.402	22°17'31.13783"	81°47'35.01134"

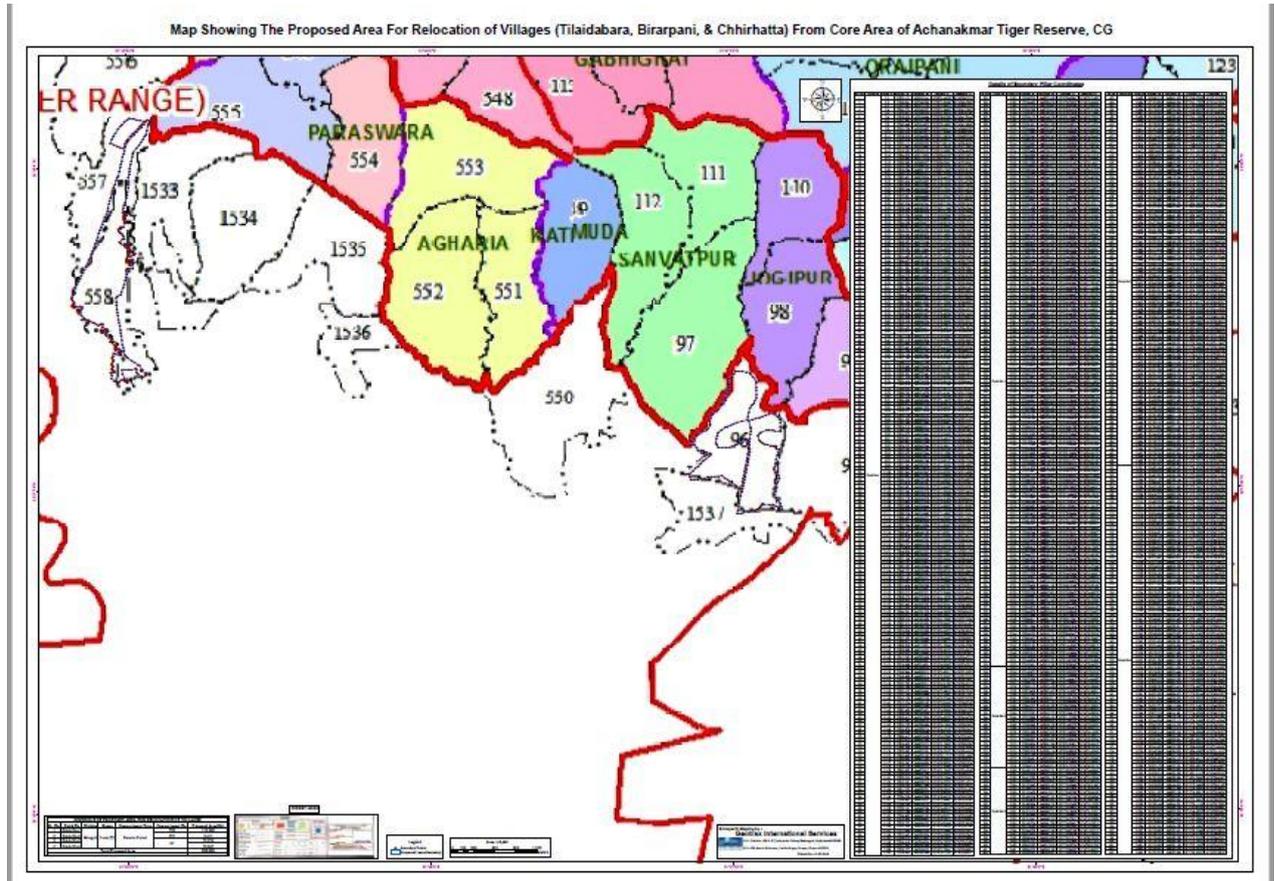
Sr. No.	Patch No	Point ID	Easting'm"	Northing'm"	Latitude'N"	Longitude'E"
501	Patch No-4	P-501	581693.544	2465278.473	22°17'28.47347"	81°47'35.00040"
502	Patch No-4	P-502	581684.076	2465269.581	22°17'28.18592"	81°47'34.66791"
503	Patch No-4	P-503	581685.395	2465263.509	22°17'27.98820"	81°47'34.71289"
504	Patch No-4	P-504	581671.179	2465200.144	22°17'25.93001"	81°47'34.20449"
505	Patch No-4	P-505	581660.481	2465151.315	22°17'24.34389"	81°47'33.82172"
506	Patch No-4	P-506	581653.189	2465101.849	22°17'22.73651"	81°47'33.55783"
507	Patch No-4	P-507	581645.880	2465052.387	22°17'21.12923"	81°47'33.29334"
508	Patch No-4	P-508	581636.757	2465003.226	22°17'19.53207"	81°47'32.96554"
509	Patch No-4	P-509	581627.042	2464950.872	22°17'17.83118"	81°47'32.61645"
510	Patch No-4	P-510	581688.970	2464961.632	22°17'18.17052"	81°47'34.78244"
511	Patch No-4	P-511	581721.859	2464969.803	22°17'18.43062"	81°47'35.93322"
512	Patch No-4	P-512	581792.535	2464979.885	22°17'18.74640"	81°47'38.40483"
513	Patch No-4	P-513	581834.436	2464993.386	22°17'19.17831"	81°47'39.87152"
514	Patch No-4	P-514	581870.323	2465005.814	22°17'19.57632"	81°47'41.12784"
515	Patch No-4	P-515	581890.167	2465004.756	22°17'19.53851"	81°47'41.82108"
516	Patch No-4	P-516	581902.602	2465007.137	22°17'19.61382"	81°47'42.25607"
517	Patch No-4	P-517	581933.029	2465026.187	22°17'20.22812"	81°47'43.32284"
518	Patch No-4	P-518	581944.671	2465037.035	22°17'20.57890"	81°47'43.73164"
519	Patch No-4	P-519	581946.523	2465045.237	22°17'20.84532"	81°47'43.79787"
520	Patch No-4	P-520	581963.457	2465060.318	22°17'21.33287"	81°47'44.39238"
521	Patch No-4	P-521	581969.277	2465079.368	22°17'21.95138"	81°47'44.59929"
522	Patch No-4	P-522	581984.623	2465094.979	22°17'22.45640"	81°47'45.13842"
523	Patch No-4	P-523	582001.027	2465088.364	22°17'22.23848"	81°47'45.71045"
524	Patch No-4	P-524	582085.165	2465079.633	22°17'21.94012"	81°47'48.64900"
525	Patch No-4	P-525	582132.261	2465083.072	22°17'22.04389"	81°47'50.29538"
526	Patch No-4	P-526	582177.169	2465061.705	22°17'21.34130"	81°47'51.86073"
527	Patch No-4	P-527	582224.018	2465038.508	22°17'20.57888"	81°47'53.49356"
528	Patch No-4	P-528	582261.778	2465014.181	22°17'19.78128"	81°47'54.80857"
529	Patch No-4	P-529	582250.542	2465055.531	22°17'21.12792"	81°47'54.42359"
530	Patch No-4	P-530	582237.432	2465103.781	22°17'22.69928"	81°47'53.97436"
531	Patch No-4	P-531	582195.352	2465154.999	22°17'24.37213"	81°47'52.51335"
532	Patch No-4	P-532	582177.790	2465183.744	22°17'25.30992"	81°47'51.90494"
533	Patch No-4	P-533	582159.726	2465216.359	22°17'26.37367"	81°47'51.27974"
534	Patch No-4	P-534	582170.273	2465277.911	22°17'28.37355"	81°47'51.65965"
535	Patch No-4	P-535	582180.073	2465326.940	22°17'29.96627"	81°47'52.01118"
536	Patch No-4	P-536	582192.228	2465385.033	22°17'31.85338"	81°47'52.44666"
537	Patch No-4	P-537	582206.671	2465423.012	22°17'33.08600"	81°47'52.95837"
538	Patch No-4	P-538	582217.305	2465458.155	22°17'34.22703"	81°47'53.33647"
539	Patch No-4	P-539	582222.594	2465466.686	22°17'34.50352"	81°47'53.52286"
540	Patch No-4	P-540	582208.845	2465506.991	22°17'35.81661"	81°47'53.04984"

Sr. No.	Patch No	Point ID	Easting"m"	Northing"m"	Latitude"N"	Longitude"E"
541	Patch No-4	P-541	582168.691	2465547.629	22°17'37.14507"	81°47'51.65415"
542	Patch No-4	P-542	582150.159	2465575.953	22°17'38.06935"	81°47'51.01177"
543	Patch No-4	P-543	582148.713	2465599.011	22°17'38.81944"	81°47'50.96547"
544	Patch No-4	P-544	582159.080	2465620.778	22°17'39.52553"	81°47'51.33178"
545	Patch No-4	P-545	582168.056	2465672.837	22°17'41.21695"	81°47'51.65505"
546	Patch No-4	P-546	582176.111	2465720.068	22°17'42.75154"	81°47'51.94528"
547	Patch No-4	P-547	582197.432	2465788.381	22°17'44.96940"	81°47'52.70297"
548	Patch No-4	P-548	582212.664	2465836.004	22°17'46.51550"	81°47'53.24406"
549	Patch No-4	P-549	582223.774	2465870.743	22°17'47.64330"	81°47'53.63876"
550	Patch No-4	P-550	582178.257	2465875.688	22°17'47.81195"	81°47'52.04902"
551	Patch No-4	P-551	582174.708	2465891.478	22°17'48.32603"	81°47'51.92789"
552	Patch No-4	P-552	582181.329	2465913.594	22°17'49.04412"	81°47'52.16337"
553	Patch No-4	P-553	582166.065	2465921.249	22°17'49.29569"	81°47'51.63133"
554	Patch No-4	P-554	582150.282	2465912.026	22°17'48.99846"	81°47'51.07808"
555	Patch No-4	P-555	582126.285	2465922.646	22°17'49.34793"	81°47'50.24143"
556	Patch No-4	P-556	582098.854	2465922.245	22°17'49.33960"	81°47'49.28274"
557	Patch No-4	P-557	582048.777	2465942.287	22°17'49.99996"	81°47'47.53642"
558	Patch No-4	P-558	582010.359	2465947.932	22°17'50.19013"	81°47'46.19488"
559	Patch No-4	P-559	581988.322	2465955.615	22°17'50.44377"	81°47'45.42619"
560	Patch No-4	P-560	581960.274	2465972.523	22°17'50.99841"	81°47'44.44911"
561	Patch No-4	P-561	581937.459	2466006.013	22°17'52.09144"	81°47'43.65795"
562	Patch No-4	P-562	581921.264	2466058.073	22°17'53.78719"	81°47'43.10159"
563	Patch No-4	P-563	581927.614	2466084.267	22°17'54.63793"	81°47'43.32833"
564	Patch No-4	P-564	581957.777	2466117.604	22°17'55.71691"	81°47'44.38856"
565	Patch No-4	P-565	582040.165	2466142.549	22°17'56.51400"	81°47'47.27237"
566	Patch No-4	P-566	582077.519	2466141.681	22°17'56.47936"	81°47'48.57761"
567	Patch No-4	P-567	582127.469	2466139.768	22°17'56.40858"	81°47'50.32289"
568	Patch No-4	P-568	582164.326	2466137.117	22°17'56.31604"	81°47'51.61044"
569	Patch No-4	P-569	582242.359	2466119.522	22°17'55.73043"	81°47'54.33421"
570	Patch No-4	P-570	582241.871	2466152.573	22°17'56.80534"	81°47'54.32326"
571	Patch No-4	P-571	582240.514	2466202.545	22°17'58.43064"	81°47'54.28507"
572	Patch No-4	P-572	582238.642	2466252.508	22°18'00.05576"	81°47'54.22888"
573	Patch No-4	P-573	582235.347	2466300.041	22°18'01.60212"	81°47'54.12249"
574	Patch No-4	P-574	582198.852	2466337.555	22°18'02.82835"	81°47'52.85405"
575	Patch No-4	P-575	582165.478	2466374.709	22°18'04.04234"	81°47'51.69456"
576	Patch No-4	P-576	582149.266	2466394.073	22°18'04.67483"	81°47'51.13157"
577	Patch No-4	P-577	582078.063	2466371.334	22°18'03.94759"	81°47'48.63900"
578	Patch No-4	P-578	582030.433	2466356.123	22°18'03.46111"	81°47'46.97163"
579	Patch No-4	P-579	581982.803	2466340.912	22°18'02.97462"	81°47'45.30428"
580	Patch No-4	P-580	581935.173	2466325.701	22°18'02.48813"	81°47'43.63692"

Sr. No.	Patch No	Point ID	Easting''m''	Northing''m''	Latitude''N''	Longitude''E''
581	Patch No-4	P-581	581887.542	2466310.491	22°18'02.00163"	81°47'41.96957"
582	Patch No-4	P-582	581839.912	2466295.280	22°18'01.51513"	81°47'40.30222"
583	Patch No-4	P-583	581792.282	2466280.069	22°18'01.02862"	81°47'38.63487"
584	Patch No-4	P-584	581808.964	2466200.071	22°17'58.42421"	81°47'39.20317"
585	Patch No-4	P-585	581820.828	2466166.918	22°17'57.34404"	81°47'39.61168"
586	Patch No-4	P-586	581816.856	2466131.866	22°17'56.20482"	81°47'39.46643"
587	Patch No-4	P-587	581811.227	2466082.183	22°17'54.59011"	81°47'39.26056"
588	Patch No-4	P-588	581805.597	2466032.501	22°17'52.97541"	81°47'39.05469"
589	Patch No-4	P-589	581799.679	2465982.861	22°17'51.36212"	81°47'38.83875"
590	Patch No-4	P-590	581798.144	2465944.391	22°17'50.11134"	81°47'38.77803"
591	Patch No-4	P-591	581805.078	2465869.708	22°17'47.68143"	81°47'39.00661"
592	Patch No-4	P-592	581802.907	2465833.359	22°17'46.49973"	81°47'38.92407"
593	Patch No-4	P-593	581795.143	2465783.965	22°17'44.89477"	81°47'38.64368"
594	Patch No-4	P-594	581785.977	2465734.818	22°17'43.29806"	81°47'38.31432"
595	Patch No-4	P-595	581776.483	2465685.728	22°17'41.70327"	81°47'37.97352"
596	Patch No-4	P-596	581767.241	2465636.589	22°17'40.10685"	81°47'37.64154"
597	Patch No-4	P-597	581758.000	2465587.451	22°17'38.51044"	81°47'37.30957"
598	Patch No-4	P-598	581748.533	2465538.355	22°17'36.91548"	81°47'36.96974"
599	Patch No-4	P-599	581738.849	2465489.302	22°17'35.32192"	81°47'36.62231"
600	Patch No-4	P-600	581729.165	2465440.249	22°17'33.72835"	81°47'36.27487"
601	Patch No-4	P-601	581719.482	2465391.196	22°17'32.13478"	81°47'35.92752"
602	Patch No-4	P-602	581709.801	2465342.142	22°17'30.54120"	81°47'35.58020"
603	Patch No-4	P-603	581702.235	2465303.806	22°17'29.29581"	81°47'35.30878"

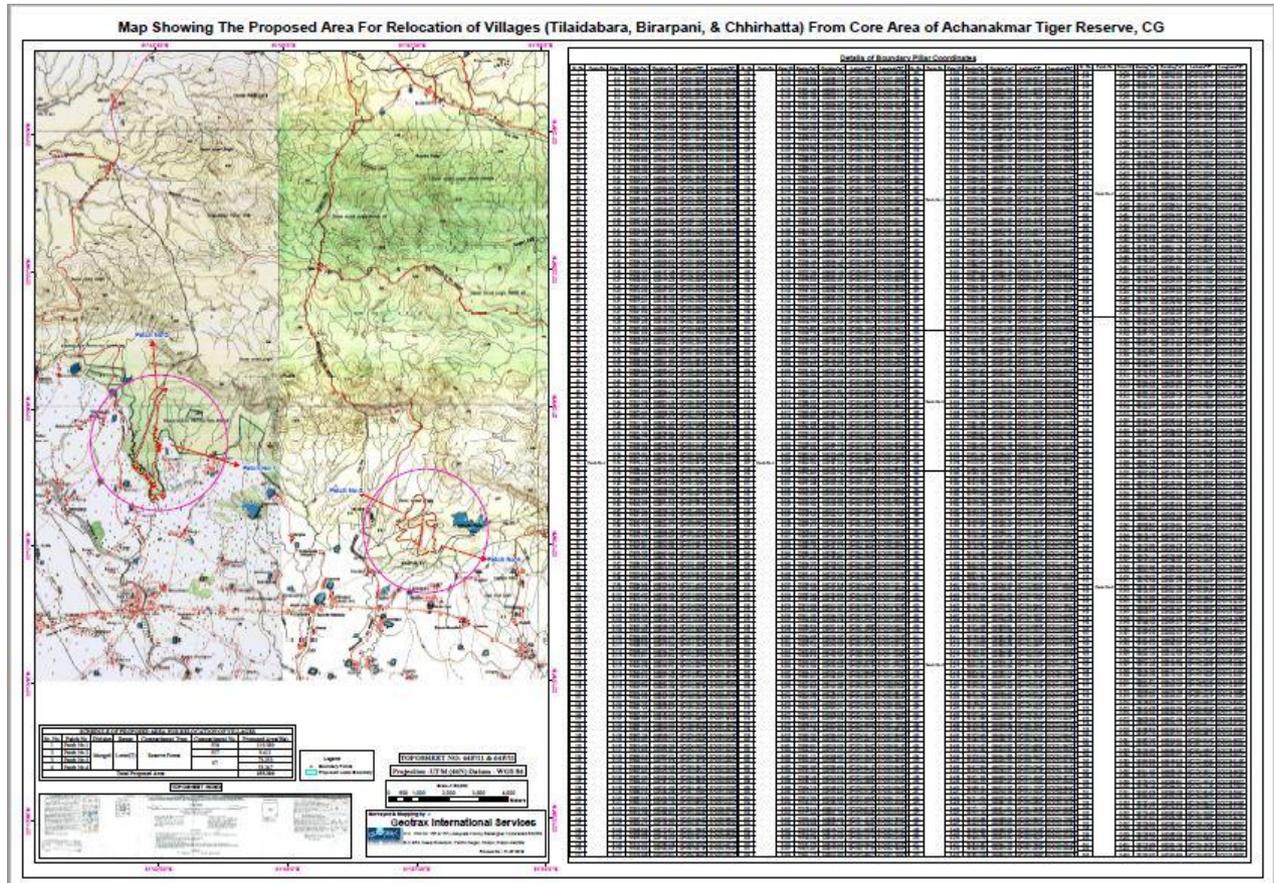
6.2 Annexure – 2: DGPS Surveyed Geo-referenced Forest Map & SOI Toposheet Maps of CA land Sites.

6.2.1 DGPS Surveyed of Proposed CA Land on Forest Map(1:15000).



(*Not to Scale)

6.2.2 DGPS Surveyed of Proposed CA Land on SOI Toposheet Map(1:50000).



(*Not to Scale)