MEMORANDUM OF UNDERSTANDING (MOU)

Between

SURVEY OF INDIA, GOVT OF INDIA

And

GOVERNMENT OF RAJASTHAN

For

DRONE BASED LARGE SCALE MAPPING OF RURAL ABADI AREAS IN THE STATE OF RAJASTHAN UNDER SVAMITVA SCHEME

Signed on this day .....of July, 2020

Memorandum of Understanding between Government of Rajasthan and Survey of India (SoI), Government of India

The Memorandum of Understanding is made and entered into on the .....day of July month of the year 2020

Between

The **President of India,** acting through Director, Rajasthan GDC, Survey of India, Department of Science and Technology, Govt of India having Office at Great Arc Bhawan, Survey of India, Sector - 10, Vidhyadhar Nagar, Jaipur - 302023; hereinafter referred to as Survey of India (which expression shall, unless excluded by or repugnant to the context, be deemed to include his successors in Office and assignee) of the **First Part**.

And

The **Governor of Rajasthan** acting through Principal Secretary, Revenue, Government of Rajasthan having office at Secretariat, Jaipur; here in after referred to as Government of Rajasthan (which expression shall, unless excluded by or repugnant to the context, be deemed to include his/her successors in Office and assignee) of the **Second Part**.

WHEREAS, the Survey of India is the National Mapping Agency engaged in Surveying and Mapping of whole country including towns, villages, cities and states and in publishing topographical and general purpose maps in analogue and digital form.

AND WHEREAS, Survey of India is the owner of its analogue and digital map data and presently engaged in updating of topographical maps of State of Rajasthan

AND WHEREAS, Government of Rajasthan has approved the project proposal of Survey of India to supply updated large scale topographical Maps of rural *Abadi* areas of Rajasthan in analogue as well as in digital form containing spatial and non-spatial data dictionary and feature description in GIS platform, Survey and updating of Survey and Settlement records implementation in the State of Rajasthan.

1. BACKGROUND

Large scale mapping on 1:500 scale of the hitherto unmapped Rural Abadi areas using Professional Survey Grade Unmanned Aerial Vehicle/Drone is to be undertaken on priority by the Government of Rajasthan.

Survey of India has agreed to generate up-to-date digital topographical map of rural Abadi area covering 46543 number of villages in 48 months time using Professional Survey Grade Unmanned Aerial Vehicle/ Drone for Large Scale Mapping and field measurements, Continuous Operating Reference System (CORS), Geoid model and generation of maps (analogues and digital spatial and non-spatial data) including creation of GIS database.

The rural Abadi property boundaries, topographical features, attribute linkage, ground validation shall be done by SoI in collaboration with Government of Rajasthan as per the requirement of the project for which non-spatial data shall be provided by State preferably in digital format. Project work also includes upgradation of the geodetic infrastructure in the state including Establishment of CORS Network and development of precise geoid model.

The nodal Department for this project is State Revenue Department, Government of Rajasthan.

2. SCOPE OF THE WORK

2.1. Establishment of Continuous Operating Reference System (CORS) Network: Survey of India to procure, establish CORS (Continuous Operating Reference System) Network covering state of Rajasthan including operations and maintenance for 05 years

2.1.1. Completion of the tendering process for outsourcing

2.1.2. Site selection & recce for CORS stations

2.1.3. Civil construction work by outsourced agency

2.1.4. Installation & commissioning of CORS stations by outsourced agency

2.1.5. Establishment of Control Centre & DR by SoI

2.1.6. Operation and Maintenance of CORS Network by SoI

2.2. Development of Geoid model for entire state. Establishment of Ground Control Points (GCPs) Horizontal and vertical Control, the location, sketches, description and ids of all the control points need to be maintained in GIS (Geographical Information System) form and the co-ordinate list need to be maintained in both system of latitude / longitude and UTM- WGS 84 (World Geodetic System 1984) via CORS network.

2.3. Marking of property boundaries with Chuna lines by the Government of Rajasthan with owners before the drone flying in the area.

2.4. Acquisition of Aerial images using Professional survey grade drone/ Unmanned Aerial Vehicle.

2.4.1. Procurement of Drones, Flying of Drones covering rural *Abadi* area of the Rajasthan State by Survey of India.

2.4.2. Data acquisition using professional Survey Grade Unmanned Aerial Vehicle shall be carried out at 5 cm Ground Sample Distance (GSD) for Village Abadi areas.

2.4.3. Data Processing at Regional lab of Survey of India. Processing of data acquired through Drones, Data Processing Block Control and Adjustment-AT (Aerial Triangulation) / DEM (Digital Elevation Model) Generation and DTM (Digital Terrain Model) Processing.

2.4.4. Ortho Photo Generation and 3D (Dimensional) Modelling if/wherever needed (this will be done using DSM (Digital Surface Model).

2.4.5. To generate topographical accurate geo-referenced digital base maps/data including Ortho- Rectified Images (ORI) covering rural Abadi area of state Rajasthan using Unmanned Aerial Vehicle /drone- based mapping technique.

2.5. Extraction of 2D/3D features, Feature description and symbols, the symbols creation of Metadata of features – the symbology and metadata shall be in-line with *SVAMITVA* scheme guidelines issued by Ministry of Panchayati Raj, data base of raw data of the ground survey work. Spatial and non-spatial data dictionary with feature codes, feature Geometry/type (line, points and polygon).

2.6. Attribute linkage to the respective features as per consolidated feature list, as defined in guidelines of SVAMITVA scheme issued by Ministry of Panchayati Raj, in addition to feature list provided by Government of Rajasthan (preferably in digital form). Seamless digital database comprising various layers viz. topographical features/other features as per wish list will be prepared by SoI.

2.7. Numbering of properties / structures within rural *Abadi* area as per numbering system provided by the State government.

2.8. Ground-Truthing and validation of Land Parcel maps by State Government in association with Survey of India.

2.9. Ground-Truthing and validation of topographical features as derived from ortho-rectified images shall be carried out by Survey of India.

2.10. Generation of cadastral maps/ land Parcel Maps/ Base maps in suitable soft copy and hard copy form.

2.11. To incorporate consolidated wish list *(as defined by Ministry of Panchayati Raj and the list prepared by State Government)*, GIS ready map/ digital database in accordance to the GIS Deliverables compiled by Government of Rajasthan. The feature and attributes defined in the wish list shall be linked with the final Geographic Information System (GIS) ready map once the data/map/blueprint is supplied or shared by Government of Rajasthan with Survey of India.

2.12. The Land Parcel Maps (LPM) product shall comprise of base map overlain by different layers of topographical features, man-made structures, land parcel information, district/ tehsil/ village boundaries information, etc. along with alike attributes as per the requirement of Government of Rajasthan.

2.13. Deliver the finalized land parcel dimensions and the land records in formats prescribed by State Government along with other deliverables, value addition and Land Parcel Maps (LPM) generation with Integration of textual details (Records of Right) with finalized land parcel maps in hard copy and in suitable soft copy shape (.shp) file format, in printing format and other Geographic Information system compatible formats which shall be linked with compatible software.

2.14. Training of technical staff will be organized by Survey of India on the operations and usage of various applications, technologies, which are to be used in the project. The state line departments will build in-house capacity to handle the project.

2.15. Complete Drone mapping + Land Parcel Map (LPM) creation, inclusive of attributable data as per final feature list (Feature list and attribute data to be provided by State Government for all villages Abadi areas in 48 months, to the satisfaction of Govt. of Rajasthan. Both Government of Rajasthan and Survey of India shall make efforts in completing this activity. (Responsibility: Government of Rajasthan and Survey of India)

2.16. **Study Area**: The project shall be carried out in the state of Rajasthan covering 46543 number of revenue villages and any other revenue village so declared by GoR during the project period.

2.17. **Ownership of Data**: The Ortho-rectified Base Maps shall be jointly owned by the Ministry of Panchayati Raj, the Survey of India, Government of India and Govt of *Rajasthan.* All the processed data products and the final data products generated will be jointly owned by Ministry of Panchayati Raj, Survey of India, Government of India and Govt of Rajasthan. All three agencies (Ministry of Panchayati Raj, Survey of India, Government of India, and Govt of Rajasthan), shall have the rights to use the data generated under this project for their internal applications. For any 3rd party usage / sharing of data by any of the three agencies, the modalities shall be decided by Ministry of Panchayati Raj in consultation with Survey of India and the State Government.

2.18. All the serviceable capital assets depending upon the prescribed shelf life at the completion of the project created by Survey of India under this project shall be transferred to Government of Rajasthan after the completion of project. The Survey of India shall provide necessary training to identified technical officers of State government. There shall be proper Handing over Taking over (HOTO).

2.19. The exit management, extension of the project shall be on mutual consensus between Survey of India, Government of India and Govt of Rajasthan.

3.METHODOLOGY

3.1. All clearances for drone flying, data vetting and final classification will be taken by SoI. [*Responsibility*: Survey of India]

3.2. Horizontal and Vertical Ground Control Points

3.2.1. Identification, Establishment, Densification and Utilisation of Ground Control Points (GCPs): Existing Ground Control Point library points established by

Survey of India/ Government of Rajasthan shall be utilised for the project. If required densification of Ground Control Points shall be carried out using Continuous Operating Reference System Network rovers.

a. CORS (Continuously Operating Reference Stations) Network Establishment: Continuously Operating Reference Stations network shall be established by Survey of India in State. [*Responsibility*: Survey of India]

b. Area / site for Continuously Operating Reference Stations network installation shall be made available by Government of Rajasthan along with electricity and physical security of Continuously Operating Reference Stations equipment. [*Responsibility*: Government of Rajasthan and Survey of India).

c. The Survey of India shall be responsible for operation and maintenance of Continuously Operating Reference Stations network stations and to provide Continuously Operating Reference Stations network services to Government of Rajasthan for five years. [*Responsibility*: Survey of India]

3.2.2. Levelling Network Establishment

Existing Geodetic BMs (Benchmark) maintained / prepared by Survey of India shall be utilised for vertical ground control point establishment.

All Continuously Operating Reference Stations shall be connected with High Precision/Precision Levelling based on Survey of India Benchmarks. [*Responsibility*: Survey of India]

3.3. Property boundaries will be marked with Chuna lines by Government of Rajasthan with owners before the drone flying in the area. Government of Rajasthan will organise the Gram Sabha to intimate the schedule of the survey and to sensitize the villagers about the project work and its intended benefits. [*Responsibility*: State Government]

3.4. Mission planning for drone flying using available maps /satellite imagery data.

[*Responsibility*: Survey of India]

3.5. High Resolution Digital Aerial Images using professional Survey Grade Unmanned Aerial Vehicle /Drone:

3.5.1. Acquisition of Aerial images shall be carried out by the SoI using Professional Survey Grade Unmanned Aerial Vehicle/ Drone for Large Scale Mapping of entire rural Abadi area of state. The images captured through Drone shall be processed by SoI in its Geographic Information System lab. [*Responsibility*: Survey of India]

3.6. **Data Processing**: AT(Aerial Triangulation) / DEM (Digital Elevation Model) Generation: Post processing of Unmanned Aerial Vehicle images shall be carried out by Survey of India in Geographic Information System lab. Digital Elevation Model (Digital Elevation Model) is a generic term used mostly for Digital Surface Model and Digital Terrain Model. The 3-D modelling as per requirement of State shall be done using Digital Surface Model) and ORI (Orthorectified Images) shall be the output of this activity. [*Responsibility*: Survey of India]

3.7. **Base Map Generation and 2D Feature Extraction**

3.7.1. The Ortho Rectified Images, after Unmanned Aerial Vehicle image processing, shall act as a base topographical layer from which topographical features shall be extracted. [*Responsibility*: Survey of India]

3.7.2. Topographical features not visible in the images shall be picked from ground. Map/ layer pertaining to "feature list", which are not visible in the Ortho-rectified images, shall be provided by Government of Rajasthan to Survey of India for incorporating in the topographical database. [*Responsibility*: Survey of India in consultation with State Government]

3.7.3. 2D Feature Extraction

a. 2D topographical features shall be derived from Ortho-rectified images (as per point no. 3.7.1). Accuracy of the topographical feature extracted from Ortho-rectified images shall be the responsibility of SoI. (*Responsibility*: Survey of India]

b. Accuracy of the ownership record shall be responsibility of the Government of Rajasthan while accuracy of land parcel map shall be the responsibility of SoI and Government of Rajasthan. Open Geospatial Consortium (OGC) compliant Geographic Information System database models shall be implemented for generation of Geographic Information System layer data structure for storing spatial and attributable data. [*Responsibility*: Survey of India in consultation with State Government]

3.8. **Attribute Data Collection**

3.8.1. Attributes data shall be provided by concerned Government of Rajasthan as per feature/ wish list. A standardized data collection format shall be provided as an effort to simplify and speed up the process. The correctness of attribute data shall be the responsibility of Government of Rajasthan. [*Responsibility*: Government of Rajasthan]

3.8.2. The attributes collected/provided (as in point 3.8.1) shall then be linked with their respective features, thereby creating a digital spatial library of all the features and their respective information. The data entry in the attributes table shall be carried out by Survey of India in coordination with Government of Rajasthan.

3.9. Boundaries of properties and numbering of properties/structures within village Abadi area will be as per numbering system provided by state of Rajasthan. [*Responsibility*: Survey of India]

3.10. GIS (Geographic Information System) ready Land Parcel Maps creation Generation of updated Land Parcel Maps (LPM) in suitable soft copy and hard copy form. The Land Parcel Maps product shall comprise of base map overlain by different layers of topographical features, man-made structures, land parcel information, district / tehsil/ village boundaries information, etc. along with alike attributes as per the requirement of Government of Rajasthan. [*Responsibility*: Survey of India]

3.11. Ground-truthing, validation of Land Parcel Maps shall be carried out as under

3.11.1. Ground-Truthing and validation of topographical features as derived from Ortho-rectified images shall be carried out by Survey of India. [*Responsibility*: Survey of India]

3.11.2. Ground-Truthing and validation of Land Parcel maps and layers pertaining to feature list shall be carried out by Government of Rajasthan[*Responsibility*: State Government]

3.12. **Land Parcel Maps correction** (if required)

3.12.1. Correction and incorporation of parcel boundaries based on ground- truthing.

3.12.2. Reconcile the survey data with the available records and finalize the dimensions of each land parcel. [*Joint Responsibility*- Survey of India and State Government of Rajasthan.

3.12.3. Land Parcel Maps Generation with Integration of textual details (Records of Rights) by providing the final Land Parcel Maps in the form of suitable soft copy shape (.shp) file format, in printing format and other Geographic Information system compatible formats which shall be linked with compatible software as desired by Government of Rajasthan [*Responsibility*: Survey of India]

3.13. Deliver the finalized land parcel dimensions and the land records in prescribed formats along with other deliverables as mentioned in point "4" below.[*Responsibility*: Survey of India]

3.14. State Government of Rajasthan in collaboration with NIC shall store, host and update (as per requirement) the data created under the *SVAMITVA* scheme [*Responsibility*: NIC, Government of Rajasthan]

4. DELIVERABLES

Following shall be output of the entire project covering entire consolidated Feature list:

4.1. CORS Network RTK service of ≤ 5 cm horizontal accuracy for five (05) years.

4.2. Accurate geo-referenced digital maps using established control survey network based on National Spatial reference framework of the country.

4.3. Geodetic network with co-ordinates and sketches of the control points showing their description and location. GCP (Ground Control Points) — the location and ids of all the control points need to be maintained in GIS (Geographical Information System) form and the coordinated list needs to be maintained in both system of latitude/longitude and UTM(universal Transverse Mercator) - WGS 84 (World Geodetic System1984) Coordinate System zone via CORS (Continuous Operating Reference System) network.

4.4. Metadata of features, raw data of the ground survey work.

4.5. Proper indexed map with proper sheet number on the following scale with accuracies as listed below:

a. Vertical Accuracy ± 20cm for all Rural Abadi area

b. Village Abadi map on 1:500 scale and Ortho Rectified Images at 5 cm GSD (Ground Sampling Distance);

c. Horizontal accuracy ± 10 cm for all Rural Abadi area.

4.6. Mosaic map of village, spatial and non-spatial data dictionary with feature codes, feature type (line, points and polygon),feature description and symbols.

4.7. DEM of ≤ 20 cm vertical accuracy for the village Abadi area.

4.8. Hard copy maps on 1:500 scale, 4 Numbers each for a village on good quality 90GSM paper along-with pdf copy for future printing purposes.

4.9. Training courses for technical staff of Rajasthan at various levels in IISM, Hyderabad.

5. ROLES AND RESPONSIBILITIES

5.1. Survey of India (SoI)

a. Project shall be executed in Survey of India premises under close supervision of Survey of India. Workspace to the 3rd party or modernisation of available space in terms of computers/peripherals/servers/data centre shall be provided or looked after by Surveyof India.

b. Activities given in item number 3, (Methodology) shall be executed as per responsibility and model mentioned against each activity/sub activity.

c. SoI shall be responsible for Project planning, Execution & monitoring of activities and shall adhere with the norms as laid by Government of India.

d. All clearances for drone flying, data vetting and final classification will be taken by SoI

e. Establishment of CORS along with their operation and maintenance for five years

f. For outsourcing of any activity under the project, SoI will be responsible for preparation of RFPs/Bids, Processing of bids, Award of work, supervision, Quality checking and Work execution as per contract agreement and the norms laid down by Government of India.

g. Ground- Truthing and validation of topographical features as derived from ortho- rectified images shall be carried out by Survey of India.

h. Data Processing: Post processing of Unmanned Aerial Vehicle images shall be carried out by Survey of India (SoI) in Geographic Information System lab at SoI regional centre. The SoI shall use their hardware, software and it's GIS Lab for data processing.

i. Post Objection - Finalisation/ correction and validation of maps

j. Training and Capacity building of nominated personnel of Government of Rajasthan on the operations and usage of various applications, technologies, which are to be used in the project.

k. No salaries and overheads will be charged by SoI in the estimated or final cost in lieu of the joint ownership of the data generated in the project.

5.2. **Government of Rajasthan**

a. Each Drone/ Unmanned Aerial Vehicle flying team shall be accompanied by at least one employee from Revenue Department, Gram Panchayat and, if necessary, one employee from Police Department.

b. Government of Rajasthan shall make land available for the Continuous Operating Reference System at the sites mutually decided as per technical requirement. The sites should have electricity supply, cellular network coverage, Uninterruptible power supply (UPS) and physical security of equipment.

c. Government of Rajasthan shall facilitate the logistics support to SoI field team viz. govt. accommodation (as per availability), associated state govt. staff as per functional requirement of the work, field vehicles, helpers or local labours or Multi Tasking Staff (MTS), permissions (if required in the area of work) for the field survey activities.

d. Feature layers and types other than land parcels to be decided by Survey of India in consultation with the State Government.

e. Land records such as cadastral maps/land parcel maps to be provided by Government of Rajasthan. State Project Management Unit shall also be deployed at Government of Rajasthan who has understanding of their AoR (Area of Responsibilities) and its extent as well as one who can interpret the

blueprint/data/maps provided by Government of Rajasthan for Survey of India for feature extraction. The said nodal officer shall also help during linkage of attributed information w.r.t. the features of their respective Area of Responsibilities.

f. The data entry in the attribute table shall be carried out by Survey of India in coordination with State Government.

g. The attributes data shall be provided by the Government of Rajasthan preferably in digital format.

h. Activities given in item number 3, (Methodology) shall be executed as per responsibility and model mentioned against each activity/sub activity including ground-truthing and validation of individual register, ownership details would be undertaken by Government of Rajasthan

i. Ground-Truthing, validation of Land Parcel maps shall be carried out by Government of Rajasthan in association with SoI.

j. Store (Hard Copy, digital data and GIS data), Host and update (as per requirement) the data created under the project in association with NIC.

k. SoI will be responsible for making corrections in maps post enquiry process. Finalization of revenue records and issuance of property cards or ownership rights will be responsibility of the State of Rajasthan.

l. To complete the inquiry process & dispute resolution

m. Updation of Property data and maps – The State Government shall be responsible for any future updation of Rural Abadi property data and survey as per period stipulated in SVAMITVA Scheme Guidelines issued by the Ministry of Panchayati Raj.

5.3. **Joint Responsibility**

a. A Memorandum of Understanding is to be signed between Survey of India and Government of Rajasthan for execution of this project.

b. As part of Ground Control provisioning, existing GCPs available (if any) with Government of Rajasthan and Survey of India will be used for densification of control.

c. Expenses towards travelling, lodging, boarding of Rajasthan personnel for training at IISM, Hyderabad will be borne by Rajasthan. Expenses towards tuition fee, training material, External expert faculty etc. will be borne by SOI.

6. MONITORING & IMPLEMENTATION COMMITTEE

6.1. SoI will establish a separate Project Wing with one dedicated Nodal Officer exclusively responsible for execution of the project in the State.

6.2. Government of Rajasthan will set up **State Steering Committee (SSC)** for endorsing plans submitted by the implementing agencies & forwarding the same to National Steering Committee in Ministry of Panchayati Raj for approval, and for monitoring the scheme, etc. Project to be monitored under the supervision of the SSC constituted by Government of Rajasthan, comprising of officials from State Panchayati Raj Department, State Revenue Department, representative of Finance Department, Survey of India (State Representative), MoPR official not below the rank of Under Secretary. State shall have the authority to co-opt additional members. The SSC shall have oversight and monitoring functions and shall provide guidance for the smooth operation of the scheme in the respective state. It will also provide update to **National Steering Committee (NSC)**, Constituted at Ministry of Panchayati Raj. The structure and terms of reference may be defined on mutual agreement with all the parties.

6.3. **District-level Monitoring and Review Committee (DMRC)** would be constituted under the Chairpersonship of the District Collector/ Deputy Commissioner/ District Magistrate, along with ADMs/SDMs dealing with land revenue matters, CEO/Executive Officer of the Zila Parishad, Sub-district Registrar, Survey & Settlement/Consolidation Officer having jurisdiction over the district, District Panchayati Raj Officer and Block Development Officer. Representative from SoI may be involved as per the need as special invitees. The Committee will review the progress of implementation of the Programme at least once a quarter or as prescribed in the Scheme Guidelines to be prepared by the ministry of Panchayati Raj, and the District Collector/Deputy Commissioner shall submit report to the State Steering Committee. Also, the committee would monitor/ oversee the use of IEC funds.

6.4. Survey of India shall prepare detailed Annual Plans in accordance with the SVAMITVA Scheme Guidelines for appraisal and approval by the NSC.

6.5. SVAMITVA scheme will be implemented through the regular departmental mechanisms, which will be assisted by Programme Management Unit at the State levels.

6.6. Online monitoring, reporting, and fund management dashboard for *SVAMITVA* Scheme will be developed by MoPR.

7.UPDATION OF PROPERTY DATA & MAPS

The Government of Rajasthan shall be responsible for any future updation of rural Abadi property data and survey as per period stipulated in *SVAMITVA* Scheme Guidelines issued by the Ministry of Panchayati Raj.

The mechanism and surveying agency shall be decided by Government of Rajasthan for future update of Property data and maps.

8.TIME SCHEDULE

The entire project will be completed in 48 months.

The Project is divided into three Phases:

Phase I: Implementation of Pilot Phase of *SVAMITVA* Scheme- Establishment of CORS Network in Rajasthan for a period of April 2020-March 2021.

Phase II: Complete survey of 32000 villages, of Rajasthan for a period of April 2021-March 2022 for generation of Property card, maps and GIS database.

Phase III: Complete survey of 14543 villages, and any other revenue village so declared by GoR during the project period of Rajasthan for a period of April 2022- March 2023 and generation of Property card, creation of maps and GIS database.

9.Service Level Agreement:

Timelines for completing this activity would be as per the Guidelines of SVAMITVA Scheme issued by Ministry of Panchayati Raj (MoPR).

10.FINANCIAL TERMS AND CONDITIONS

A. Cost:

The total cost of the project is estimated to be @ Rs 4800/- per village plus total cost

of the CORS network establishment i.e. Rs 20.24 Cr. Both the parties understand and do agree that the actual cost of the project will be worked out on the basis of the actual no of villages surveyed and calculated after the completion of the project.

As per the guidelines of SVAMITVA Scheme issued by Ministry of Panchayati Raj (MoPR), the cost of following components would be borne by MoPR:

(i). Establishment of the CORS Network comprising approx 85 stations in Rajasthan for Rs 20.24 Cr.

(ii). Large Scale Mapping of rural Abadi area using Drone survey technique

(iii). IEC

(iv). State Project Management Unit

(v). Any other cost would be borne by the State Government as per mutual agreement with SoI at the signing of MoU.

B. Release of Payment

Payment to above mentioned component would be released as per Guidelines of SVAMITVA Scheme issued by Ministry of Panchayati Raj (MoPR), Govt. of India.

Release of payment of any other cost borne by the State Government would be defined as per mutual agreement with SoI before the signing of MoU.

11. OTHER ASPECTS OF MOU

11.1. **Indemnity**

Each party shall indemnify and hold harmless the other party and its trustees, officers, employees from and against any claims, actions, damages, expenses (including reasonable fees and costs), liabilities and costs arising from or relating to the services of either party under this Agreement.

11.2. **Relationship - Principal to Principal**

All dealings between Survey of India and Government of Rajasthan shall be as Principal to Principal. This MoU does not in any way create, establish or deem to imply the relationship of principal and Agent or partnership between Survey of India and Government of Rajasthan.

11.3. **Governing Law and Jurisdiction**

This MoU shall be governed by and constructed in accordance with Indian laws

IN WITNESS WHEREOF the Parties hereto have duly executed this MoU as on date written above.

Government of Rajasthan

By signing this MoU, I also confirm that I am authorized to sign on behalf of, Governor of Rajasthan

Signature:

Name: Anand Kumar

Title: Principal Secretary, Revenue
Government of Rajasthan, JAIPUR

Date:...../07/2020

Witness:

15.7.20

(KAMLESH, ABUSARIA)
DEPUTY SECRETARY,
Revenue Dept.

Survey of India

By signing this MoU, I also confirm that I am authorized to sign on behalf of President of India

Signature:

Name: M C Gaur

Title: Director,
Rajasthan GDC, JAIPUR

Date: ...15...../07/2020

Witness:

15/7/20

(ROHIT AGRAWAL)
Dy. Superintending Surveyor
RGDC, SOI.