

SOR - SCHEDULE OF RATE

GIS Data Create, Capture, Develop and Update Land and Gas features in GEL GIS Database for GEL Geographic Area across Gujarat, UT of DNH, Maharashtra, MP, Rajasthan, Punjab & Haryana States

Sr. No.	Item Service Code	Item Description	SAC	UOM	Approx. Quantity	Basic Rate (INR)	Approx. Basic Amount (INR)
1	905635	CREATE,MAP,DIGITAL,W/O IMAGE SUPPLY: Create and develop new vector map (1:1000 scale) from the satellite Image supplied by GEL. Contractor shall interpret the Land base feature from the satellite Image and digitise the geometry (line, point and polygon) of that features as per annexure-I, for the area assigned by GEL.	998344	KM2	50	857	42,850
2	905636	CREATE,MAP,DIGITAL,W/ IMAGE SUPPLY: Create and develop new vector map (1:1000 scale). Identify the gaps in Land base Data and arrange/capture the missing Land base features from the field/Raster Image/ photo/scene etc. Contractor shall digitise geometry (line, point and polygon) of the Land base features as per annexure-I, either from the field OR from the other sources (arranged by contractor) for the area/location assigned by GEL.	998344	KM2	200	1512	3,02,400
3	905637	CREATE,LANDBASE,COMPATIBLE,ESRI, ARCGIS Create, develop and Update Land base Data according to the vector map and latest position in the field. Integration of spatial and non-spatial data, create GDB (Geo-Database) using Arc GIS 10X /Pro Schema of GEL compatible to ESRI and submit to GEL. Contractor shall carry out field survey for identification, validation of features and collecting attribute information of Land use data from the field, Update base map and integrate spatial and non-spatial data. Convert data to Geo-database formats (PGDB/shape file /FGDB) confirming to GEL ARCGIS 10X or Pro schema/model.	998344	KM2	250	5141	12,85,250
4	905638	DIGITALISE,LINE FT,CMPTBL, ESRI,ARCGIS	998344	M	15,400,000	2	3,08,00,000

		Contractor shall digitise Gas Polyline feature – all gas pipeline network and associated line i.e. Transmission mains, Distribution main, Service line, Abandoned Gas Pipe, CP Bond wire, CP Rectifier Cable etc. with the desired accuracy. Integration of spatial and non-spatial data, create GDB (Geo-Database) using Arc GIS 10X/Pro Schema compatible to ESRI and submit to GEL. Associated Underground/above ground Gas and Transmission fittings are included in line features.					
5	905639	DIGITALISE,POINT FT,CMPTBL, ESRI,ARCGIS Contractor shall digitise Gas Point feature – all gas point feature i.e. Distribution Point, Network valve, Transmission valve, Regulator Station, Marker, TLP, Anode, TRU, IJ, Leakage Point, City Gate Station, CNG Station, pipeline crossing etc. with the desired accuracy. Integration of spatial and non-spatial data, create GDB (Geo-Database) using Arc GIS 10X/Pro Schema compatible to ESRI and submit to GEL.	998344	EA	6,09,275	35	2,13,24,625
6	905640	DIGITALISE,POLY FT,CMPTBL, ESRI,ARCGIS Contractor shall digitise Gas Polygon feature – all gas polygons feature i.e. terminal, Valve Chamber, IPRS, and Casing etc. with the desired accuracy. Integration of spatial and non-spatial data, create GDB (Geo-Database) using ARCGIS 10X/Pro Schema of GEL compatible to ESRI and submit to GEL.	998344	EA	8,515	40	3,40,600
7	905641	MAPPING,CUSTOMER,CMPTBL,ESRI, ARCGIS Mapping and integration of Customer - Contractor shall carry out field survey for identification from the field and validation with the actual location/name/IDs of customer. Capture actual location of Distribution point (DP) and customer point with reference to particular building/parcel/Boundary. Integration of spatial and non-spatial data, create GDB (Geo-Database) using Arc GIS 10X/Pro Schema of GEL compatible to ESRI and submit to GEL.	998344	EA	11,22,000	10	1,12,20,000

8	908324	DGPS,GEO-REFERENCING,SATELLITE IMAGE	998344	EA	250	76	19,000
		Image rectification/geo-referencing with reference to local base Station (to be established by contractor), GCP collection & Validation, correction and merging of old /new Land & Gas Data according to the rectified Image /base map. Also merge all individual scenes of satellite images by mosaicking, edge matching etc. and create single raster image.					
Total Basic Amount (INR)							6,53,34,725

Notes:

- Contract validity shall be 3 years form the date or award of contract/Purchase order/Work order.
- GEL required 2 contractors for the GIS data creation work across GEL GA's.
- Rate shall consider with PPES during the surveying works by contractor.

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