SLUM REHABILITATION AUTHORITY

No: SRA/DSLR/Desk-1/T-1/GIS-Demarcation/2015/1774

Date: 28th December 2015

Circular No: 144 B

Subject: Procedure to be followed for the demarcation of the slum scheme boundary while submitting the slum rehabilitation scheme proposal.
(Amendment to **ANNEXURE I** of Circular 144, Dated 31.08.2013)

1. Currently, new S R Scheme proposals are submitted according to procedure given in the circular no 144 dated 31.08.2013. According to the said circular the S R Scheme is submitted to the Engineering Department of SRA in Annexure I to V.

2. Considering the future plan of SRA on GIS implementation, it has been decided that henceforth (1st Dec, 2015) Society/Developer/Architect shall submit the S R Scheme boundary in the GIS format and hard copy of plan along with S R scheme proposal in amended "Annexure I". **The amendment to Sr. No. 10 of Annexure I of Circular 144 will be as follows:**

10.a	Superimposed Plan (Hard Copy of Slum Plan/DP Plan/CTS Plan along with hatched slum boundary)	
10.b	GIS data of the outer boundary of the Slum Rehabilitation Scheme by undertaking Ground Control survey using Differential Global Positioning System (DGPS). (to be submitted in properly tagged Compact Disc (CD) (e.g. proposal number and Scheme Name) in 3 (Three) sets)	

3. The following procedure shall be followed for submitting the S R Scheme boundary to be approved hereafter.

   a) Undertake Ground Control survey using Differential Global Positioning System (DGPS) and process the DGPS observations with two base stations (set up by MCGM*) observations. The DGPS observations of these two base stations will be provided by SRA on demand for specific date/time (As per date and time of survey).

   *MCGM Base Setup Details-
   - Dadar – Trimble NetR9
   - Jogeshwari - Trimble NetR9

   b) To get the observations of two DGPS base stations, authorized Architect appointed by the Society/Developer of S R Scheme should send a request to DSLR, SRA. Copy of the authority letter or General Body Resolution (GBR) should be attached with the request. The request can be made through a plain paper or through an Email to dslr@sra.gov.in.

   c) Conduct detailed ground survey by Electronic Total Station (ETS) using processed DGNSS# ground control points.

   #DGNSS Specifications-
   - Minimum 200 Channels
   - Dual Frequency (L1, L2) GPS + GLONASS and should be able to track GAGAN signals for static accuracy
   - Baseline Processing Accuracy for 10 KM should not be more than 10 cm Horizontal and 20 cm Vertical accuracy.

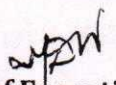   d) Create the close polyline of slum scheme boundary in CAD software.

Name of the Shape File – <Scheme Name>SRACHS
Projected Coordinate System – WGS 1984 UTM 43N
Attributes Fields –

  i. Scheme Name
  ii. Area in Square Meter
  iii. Length
  iv. CTS No
  v. Ward Name
  vi. Village Name (Standard List shall be provided on SRA Website)
  vii. Taluka Name (Standard List shall be provided on SRA Website)
  viii. District Name (Standard List shall be provided on SRA Website)
  ix. Nearest Landmark
  x. Survey Agency Name
  xi. Survey Date
  xii. Developer Name
  xiii. Architect Name
  xiv. Tentative Slum Hutments
  xv. Local Slum Name

f) The GIS data with DGPS processing report containing Baseline network, Photo of DGPS point and Coordinates should be submitted in properly tagged Compact Disc (CD) (e.g. Proposal Number and Scheme Name) in 3 (Three) sets to Engineering Department, SRA. The Engineering Department will forward 1 (One) CD along with Annexure IV to City Survey Department, SRA and 1 (One) CD to IT Department.

g) IT Department, SRA will verify the overlapping of proposed S R Scheme boundary on GIS base map using submitted GIS data.

4. SRA has envisaged to empanel the survey agencies to conduct the GIS survey and prepare the S R Scheme boundary in the desired format. The Developer shall be bound to use the services of empaneled agencies only to maintain data standards. Till the completion of agency empanelment process, developer is free to choose any survey agency provided it adheres the SRA guidelines regarding GIS data format.

5. **The amendment and the instructions of this circular will come in force with effect from 1st Jan 2016.**

Chief Executive Officer
Slum Rehabilitation Authority, Mumbai

CC:
1. Secretary, SRA
2. OSD, SRA
3. Dy. Chief Engineer, SRA
4. Executive Engineer (Eastern, Western, City)
5. DSLR, SRA
6. Dy. Collector (Eastern, Western, City), SRA
7. Legal Advisor, SRA
8. Finance Controller, SRA
9. Administrative Officer, SRA
10. Joint & Assistant Registrar, SRA
11. Dy. Town Planner, SRA
12. IT Officer, SRA