Report on the progress (including social and economic development schemes) of Sardar Sarovar Project for the month ending January-2019

1.0 BRIEF DESCRIPTION

PROJECT: Sardar Sarovar Project Benefits

(1) Irrigation : 1.84 Mha (75% area drought prone) in Gujarat.
   : 0.246 Mha in desert districts of Rajasthan

(2) Drinking Water : 25 Million population (by 2011) & 30 Million population (by 2021)
   : 9490 villages + 173 urban centers in Gujarat
   : 1336 villages & 3 towns in Rajasthan to a population of approx. 4.58 million

(3) Hydro Power : Installed capacity : 1450MW

(4) Irrigation Strategy : Through RWS & PIM, maximum water use efficiency can be achieved. Water hazards due to over watering – salinity and water logging – can be prevented leading to sustainable agricultural benefits to small and marginal farmers in the command area.

2.0 PROGRESS OF MAJOR COMPONENTS OF THE PROJECT

2.1 Main Dam

a) The Narmada Control Authority has given the permission on 16-06-2017 for lowering down the gates of main dam and impounding of water in the reservoir to F.R.L. Accordingly, the gates of the dam have been closed on the next day i.e 17-06-2017. The water level as on 31-01-2019 is 119.31 mt.

b) Construction of Irrigation Bye Pass Tunnel has already been completed.

c) Garudeshwar Weir:

   Excavation and Concrete work is in progress. The progress of Excavation is 9.5551 LCM and concrete is 4.1323 LCM up to January-2019.
### 2.2. Power Generation

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<tbody>
<tr>
<td>(A) RBPH (River Bed Power House)</td>
<td>Million</td>
<td>35136.090</td>
<td>0.000</td>
<td>0.000</td>
<td>35136.090</td>
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<tr>
<td>(B) CHPH (Canal Head Power House)</td>
<td>Million</td>
<td>6664.573</td>
<td>97.429</td>
<td>507.581</td>
<td>7172.154</td>
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<tr>
<td><strong>Total (A+B):</strong></td>
<td>Million</td>
<td>41800.663</td>
<td>97.429</td>
<td>507.581</td>
<td>42308.244</td>
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<tr>
<td>(C) Solar Power (35 MW Canal Bank/Top)</td>
<td>Million</td>
<td>71.5280</td>
<td>4.8697</td>
<td>44.7664</td>
<td>116.2944</td>
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### 2.3 Progress of Canal System & Irrigation Potential Created

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<tbody>
<tr>
<td><strong>(I) Canal System</strong></td>
<td></td>
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</tr>
<tr>
<td>(A)</td>
<td>Main Canal</td>
<td>Km</td>
<td>458</td>
<td>458</td>
<td>- Completed -</td>
<td></td>
<td>458</td>
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<tr>
<td>(B)</td>
<td>Branch Canal</td>
<td>Km</td>
<td>2731</td>
<td>2605</td>
<td>0</td>
<td>12</td>
<td>2617</td>
</tr>
<tr>
<td>(C)</td>
<td>Distributary</td>
<td>Km</td>
<td>4569</td>
<td>4220</td>
<td>8</td>
<td>120</td>
<td>4340</td>
</tr>
<tr>
<td>(D)</td>
<td>Minor</td>
<td>Km</td>
<td>15670</td>
<td>13105</td>
<td>55</td>
<td>736</td>
<td>13841</td>
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<tr>
<td>(E)</td>
<td>Sub-Minor</td>
<td>Km</td>
<td>48320</td>
<td>33556</td>
<td>70</td>
<td>5615</td>
<td>39171</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>Km</td>
<td>71748</td>
<td>53944</td>
<td>133</td>
<td>6483</td>
<td>60427</td>
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<tr>
<td><strong>(II) Irrigation Potential</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(A)</td>
<td>Up to Minor</td>
<td>Ha.</td>
<td>1792328</td>
<td>1539677</td>
<td>1450</td>
<td>87315</td>
<td>1626992*</td>
</tr>
<tr>
<td>(B)</td>
<td>Up to Sub-Minor</td>
<td>Ha.</td>
<td>1855411</td>
<td>1235211</td>
<td>596</td>
<td>243976</td>
<td>1479187*</td>
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</tbody>
</table>

* includes 59934 hectares of Kutch Branch Canal where pipelines are laid for minors and subminors but they are yet to be connected.

### 2.4 Registration of Water Users Associations registered

- **Phase-I**: 1191
- **Phase-II**: 1475
- **Total**: 2666

### 3.0 ENVIRONMENTAL SAFEGUARD MEASURES

During the month, maintenance of current year 80 ha. area plantation and previous year plantations along the canal bank continued. Stocking of fingerlings in Sardar Sarovar Reservoir is continued. Total 20.003 lacs fingerlings were stocked for the year 2018-19.

### 4.0 AGRICULTURAL EXTENSION AND MONITORING:

For the benefits of farmers, (1) 13 training programs, 17 khedut shibir/sabha, 22 FIG/SHG/field day were organized, (2) 99 soil samples were collected for soil testing followed by providing soil health card and (3) a campaign through AudioVisual Van and 01 workshop was organized for Work assistant and also participation in 01-Krushi Mahotsav.
Carried out sampling at (1) 203 locations for soil quality and (2) 61 locations for soil water quality monitoring.