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1



Atal Mission for Rejuvenation
and Urban Transformation

31.3.16
 Arun Jadhav
 SE

Minutes of the SHPSC

1

MINUTES OF THE MEETING OF STATE LEVEL HIGH POWER STEERING COMMITTEE (SHPSC)

Venue- Conference Hall, Secretariat, Kavaratti

Date and Time: 19.02.2016 at 4 PM

The meeting of State level High Power Steering Committee (SHPSC) was convened in the Secretariat Conference Hall at 4 PM on 19.02.2016. The following were present in the meeting

1. Shri. Vijay Kumar IAS , Hon'ble Administrator, Lakshadweep	Chairman, SHPSC
2. Shri. J. Ashok Kumar IAS Secretary (Works)	Member Secretary
3. Shri. Gulab Singh Conservator of Forest	Member
4. Shri Ashok Garg Accounts Officer	Member
5. Shri. Arum Jadhav Superintending Engineer	Member

The meeting was chaired by the Hon'ble Administrator, UT of Lakshadweep.

* The Mission Director & Superintending Engineer welcomed all the members of SHPSC.

The Mission Director informed the Central Assistance as per Annexure 2 of Ministry letter No. 14012/95/2015 -SC dated 31/07/2015 is Rs 68 Lakhs for year 2015-16 and the central assistance will be released in three installments 20:40:40. The Mission director informed that as per the guidelines state has to prepare SAAP upto three times the central assistance and equal state share and the total AMRUT Annual allocation for Lakshadweep (Kavaratti) for 2015-16 is 136 Lakhs. As per the guidelines the components are prioritized in the following order

1. Water Supply
2. Sewerage & Septage Management.
3. Urban transport.
4. Parks, Green spaces and others

The Mission Director made a presentation on the draft State Annual Action Plan (SAAP) under AMRUT Mission based on the SLIPs presented before the Committee.

2

The committee approved SAAP (2015-16) for the sectors as described below

1. Water Supply

- a. Proposed to provide 60 number of Rain water tanks in the First year,
- b. Total Amount earmarked for this year(2015-16) is Rs.79.2 Lakhs (60 X Rs.1.32 Lakhs)

2. Sewerage & Septage Management

- a. Proposed to provide 43 number of PVC septic tanks and 1 Nos of Public toilet in the First year.
- b. Total Amount earmarked for this year (2015-16) is Rs.53 Lakhs (43 X 0.845 + 1 X 16.283)

3. Urban transport

- a. No Work proposed during 2015-16
- b. Proposed to implement the project only from the Second year onwards.

4. Parks, Green spaces and others

- a. There are three No of parks in Kavaratti
- b. Proposed to provide interlocked pathway during the year 2015-16 for one park
- d. Total Amount earmarked for this year is Rs. 3.8 Lakhs (280 Sqm X Rs.1349.47 per Sq Metre)

The meeting ended with vote of thanks to the Chairman and members of the committee.

JAK

(J Ashok Kumar IAS)
Secretary (works) & Member Secretary
PK

Government orders

1. State level High Power Committee



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GOVERNMENT OF INDIA
LAKSHADWEEP ADMINISTRATION
(LAKSHADWEEP PUBLIC WORKS DEPARTMENT)
CIRCLE OFFICE
Kavaratti - 682555

15-12-15

F.No. 118/01/2015-S4 | 2105

Dated: 11.2015.
15.

ORDER

Secretary Ministry of Urban Development Government of India vide his letter D.O.No.K-14012/95/2015-SC-II(Part) dated 24 July 2015 requested to constitute a State level High Powered Steering Committee (HPSC) for Lakshadweep for the implementation of Atal Mission for Rejuvenation and Urban Transformation (AMRUT) Mission launched on 25th June 2015 by Hon'ble Prime Minister.

The Hon'ble Administrator U.T of Lakshadweep is pleased to constitute a State level High Powered Steering Committee (SHPSC) for Lakshadweep for the implementation of AMRUT Mission.

- | | |
|--------------------------------------|--------------------|
| 1. Administrator | - Chairman |
| 2. Representatives from MoUD | - Member |
| 3. Conservator of Forests | - Member |
| 4. Accounts Officer | - Member |
| 5. Director of Planning & Statistics | - Member |
| 6. Director of Panchayath | - Member |
| 7. Superintending Engineer, LPWD | - Member |
| 8. Secretary (Works) | - Member Secretary |

J. Ashok Kumar
Secretary (Works)

Copy to

1. All Committee members.
2. The Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi-110 011 with a request to nominate one officer from MoUD to the committee.
3. All the Departments in UT of Lakshadweep.

2. Appointment of Mission Director



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GOVERNMENT OF INDIA
LAKSHADWEEP ADMINISTRATION
(LAKSHADWEEP PUBLIC WORKS DEPARTMENT)
CIRCLE OFFICE
KAVARATTI – 682555

15-12-15

F.No. 118/01/2015-S4 | 2104

Dated: .15.2015.
15-

ORDER

The Hon'ble Administrator U.T of Lakshadweep is pleased to appoint Superintending Engineer Lakshadweep Public Works Department as Mission Director AMRUT UT of Lakshadweep.

This has the approval of Hon'ble Administrator vide Dairy No.2189 dated

17.11.15

J. Ashok Kumar
Secretary (Works)

Copy to

1. All SHPSC Committee members of AMRUT
2. The Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi-110011
3. All the Departments in UT of Lakshadweep.

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31.3.16
SE



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GOVERNMENT OF INDIA
LAKSHADWEEP ADMINISTRATION
(LAKSHADWEEP PUBLIC WORKS DEPARTMENT)
CIRCLE OFFICE
KAVARATTI - 682555

F.No. 11B/03/2014-S4

Dated: .02.2016.
03.

ORDER

The Hon'ble Administrator U.T of Lakshadweep and Chairman of State level High Powered Steering Committee (SHPSC) AMRUT mission, Lakshadweep is pleased to constitute a State Level Technical Committee (SLTC) for technical and financial appraisal of the DPRs.

1. Secretary (Works)	- Chairman
2. Additional District Magistrate	- Member
3. Executive Engineer Department of Electricity	- Member
4. Accounts Officer (Secretariat)/DDA	- Member
5. Executive Engineer LPWD Kavaratti Division	- Member
6. Superintending Engineer, LPWD & Mission Director	- Member Secretary

J. Ashok Kumar

J. Ashok Kumar
Secretary (Works)

Copy to

1. All Committee members.
2. The Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi-110 011.

6

2.1 Checklist - Consolidated State Annual Action Plan of all ULBs to be sent for Assessment by MoUD

S.No	Points to be Consideration	Yes / No	Give Details
1	Have all the Cities prepared SLIP as per the suggested approach?	Yes	As per MoUD Principles of prioritization, the SLIP for the city has been prepared. First Priority has been given to universal coverage of water supply and second has been given to sewerage system. The Lakshadweep island is unique in its geography, for the universal coverage of water supply. It is required to augment the capacity of desalination plant and install a new plant which is beyond the scope of fund allotted in the AMRUT Mission, hence proposed to construct Rain water harvesting tanks only.
2	Has the SAAP prioritized proposed investments across cities?	Yes	Prioritization has been done based on the Principles of MoUD
3	Is the indicator wise summary of improvements proposed (both investments and management improvements) by State in place?	Yes	Indicator wise summary of improvements (both investments and management improvements) are summarized and proposed
4	Have all the cities under Mission identified/done baseline assessments of service coverage indicators	Yes	The service coverage indicators has been prepared for the city
5	Are SAAPs addressing an approach towards meeting Service Level Benchmarks agreed by Ministry for each Sector?	No	Gap has been analyzed to meet out the Service Level benchmarks of MoUD but SAAP has been limited to the availability of fund



Atal Mission for Rejuvenation
and Urban Transformation

7

D. Subrahmanyam
31.3.16
58

6	Is the investment proposed commensurate to the level of improvement envisaged in the indicator?	No	The allotted fund in each sector are not adequate to meet the level of each services envisaged
7	Are State Share and ULB share in line with proposed Mission approach?	No	The State Share (20%) and ULBs Share (30%) have not been considered as per AMRUT Mission Approach. There is no ULB and tax collection in the U.T. of Lakshadweep.
8	Is there a need for additional resources and have state considered raising additional resources (State programs, aided projects, additional devolution to cities, 14th Finance Commission, external sources)?	NA	There is no ULB and tax collection in the U.T. of Lakshadweep.
9	Does State Annual Action Plan verify that the cities have undertaken financial projections to identify revenue requirements for O & M and repayments	Yes	O&M cost shall be met by UT Administration under UT Budget
10	Has the State Annual Action Plan considered the resource mobilization capacity of each ULB to ensure that ULB share can be mobilized	NA	Not applicable to UT of Lakshadweep as there is no ULBs
11	Has the process of establishment of PDMC been initiated?	No	Mission fund is limited. The implementing agency is Lakshadweep Public Works Department. It is capable of carrying out the project without engaging Project Development And

			Management Consultant (PDMC)
12	Has a roadmap been prepared to realize the resource potential of the ULB?	NA	Not applicable to UT of Lakshadweep as there is no ULBs
13	Is the implementation plan for projects and reforms in place (Timelines and yearly milestones)?	yes	It is considered in the SLIP and SAAP preparation
14	Has the prioritization of projects in ULBs been done in accordance with para 7.2 of the guidelines?	Yes	The projects have been prioritized based on the principles of AMRUT guidelines viz., gap analysis.

1. Has the State Government diagnosed service level gaps?

Yes. The State Government has analyzed the Service Level gap and finalized the projects accordingly. Details of service level gap is attached as ANEXXURE A (Page No.41)

2. Has the State planned for and financed capital expenditure? (350 words)

Yes. Detailed attached as ANNEXURE B (Page No.44)

3. Has the State moved towards achievement of universal coverage in water supply and sewerage/septage? (350 words)

Yes, the State Government has assessed the existing service level gaps particularly in water supply and sewerage. Also considered the on-going schemes related to the water supply and sewerage / septage. Based on the outcome of assessment, the State Government has identified the projects to achieve the universal coverage of water supply and sewerage/septage.

4. What is the expected level of the financial support from the Central Government and how well have State/ULB and other sources of finance been identified and accessed? (300 words)

As per AMRUT Guidelines, one -third of the project cost as grant from Government of India for cities with a population of above 10 lakhs and one-half of the project cost as grant for cities / towns with population up to 10 lakhs has been considered as financial support from the Central Government.

In the UT of Lakshadweep there is no ULB and the indigenous population is schedule tribe community. The Administration is taking up the projects with the funds provided by Central government only as plan fund.

Kavaratti Island is having population of 11,210 as per 2011 Census. 100% share from Centre being UT.

5. How fairly and equitably have the needs of the ULBs been given due consideration? (300 words)

Not applicable

6. Have adequate consultations with all stakeholders been done, including citizens, local MPs and other public representatives?

Yes.

2.2 METHODOLOGY ADOPTED IN PREPARATION OF SAAP IS SUMMARIZED BELOW;

2.2.1 Principles of Prioritization

Under this section state will prioritize and recommend projects for selection under AMRUT (AMRUT Guidelines Para 7)

During SLIP preparation State/ULBs have identified the project based on Service Level Gap analysis and following consultative process prioritized those projects so as to achieve universal coverage water supply connections followed by sewerage connections this being the national priority.

The next priority was accorded to the other service level in these sectors appropriate to the specific town.

Kavaratti, the capital Island is selected under AMRUT Mission. There are no ULBs in the UT and all the projects are executed by the Department concerned of UT Administration. Hence the question of prioritization of the cities is not raised in the case of UT of Lakshadweep.

The aim of the mission is to provide basic services (e.g. water supply, sewerage, urban transport) to households and build amenities in cities which will improve the quality of life for all, especially the poor and the disadvantaged. The total fund allotted for the AMRUT Mission is only Rs.68 Lakh (Central Share) for the year 2015-16. This amount is not sufficient to achieve the universal coverage in water supply, sewerage.

There are no surface water source like stream and rivers available in islands. The only natural source of water is ground water. The ground water is limited and the quality is disturbed by sea water intrusion. The Administration has established one number 1 (one) Lakh litre per day capacity Low Temperature Thermal Desalination Plant (LTTD) to provide safe water to the public. 9 (Nine) lpcd water is presently supplied through street taps. The population of Kavaratti is 11,210 as per Census 2011. The requirement of water is 15 lakh litre per day at the rate of 135 lpcd. The cost of installation of 1 (one) Lakh litre per day LTTD Plant is Rs.46 Crore (approx) and about Rs.690 Crore is required to install 15 Lakh litre per day plant. This is beyond the scope of AMRUT.

The Capital City, Kavaratti is under in Smart city mission (fast track cities). The following is proposed in smart city proposal for the Augmentation of Water supply sector.

- I. Augmentation of existing Desalination LTTD plant from 1(one) lakh litre per day to 3 lakh litre per day. An amount of 3000 lakhs is proposed in the Smart city proposal.
- II. Installation of 2 Number (3 lakhs litre per day capacity) LTTD plant. An amount of 16000 lakhs is proposed in the Smart city proposal.

Hence during the prioritization of the project, the State High Power steering Committee has decided to give first priority to the water supply, aimed to provide rain water tanks where ground water is saline. Sanitation/sewerage have been given the next priority.

7. Has consultation with local MPs/ MLAs, Mayors and Commissioners of the concerned ULBs been carried out prior to allocation of funding? Please give details.

There is no ULB. Lakshadweep has two tier Panchayat system. Consultation with chaireperson village dweep panchayat and elected representatives have been done.

8. Has financially weaker ULBs given priority for financing? If yes, how? (200 words)

Not applicable

9. Is the ULB with a high proportion of urban poor has received higher share? If yes, how? (250 words)

Not applicable. (No ULB)

10. Has the potential Smart cities been given preference? Please give details.(150 words)

Yes. Kavaratti is the only city selected from UT of Lakshadweep as smart city.

11. How many times projects are proposed in SAAP of the Central Assistance (CA) allocated to the State during 2015-16? (100 words)

SAAP for the year 2015-16 is for Rs 68 lakh.

12. Has the allocation to different ULBs within State is consistent with the urban profile of the state? How? (250 words)

Not applicable

2.2.2 Importance of O&M

U.T. Administration will take care of operation and maintenance of the infrastructure assets created under the AMRUT Programme. The Operation and Maintenance Plan of each sector has covered life time period of the projects.

13. Has Projects being proposed in the SAAP includes O & M for at least five years? (100 words)

Yes, the project prioritized under SAAP has considered the Operation and Maintenance cost of the project for the period of 5 years.

14. How O&M expenditures are proposed to be funded by ULBs/ parastatal? How? (250 words)

Not applicable. O&M expenditure shall be met under State share (UT Budget)

15. Is it by way of levy of user charges or other revenue streams? Please give details. (100 words)

Not applicable. There is no water cess/tax/charges collected from public. It is 100% Scheduled Tribe area.

16. Has O&M cost been excluded from project cost for the purpose of funding? (100 words)

Yes. The expenditure shall be met under state sector (UT Budget)

17. What kind of model been proposed by States/ULBs to fund the O&M? Please discuss. (250 words)

Non PPP model. O&M cost will be met by the U.T. Administration.

18. Is it through an appropriate cost recovery mechanism in order to make them self-reliant and cost-effective? How? (250 words)

Not Applicable

2.2.3 Financing of Projects

Project fund sharing is an important component under SAAP. Information responding to the following questions regarding financing of the projects proposed under AMRUT has been, indicated against each question:

19. How the residual financing (over and above Central Government share) is shared between the States, ULBs? (200 words)

Not applicable

20. Has any other sources identified by the State/ULB (e.g. PPP, market borrowing)? Please discuss. (250 words)

Not applicable to Lakshadweep as there is no ULB and the Administration is executing all its projects with the funds allocated then and there.

21. What is the State contribution to the SAAP? (it should not be less than 20 percent of the total project cost, Para 7.4 of AMRUT Guidelines) (150 words)

Being UT 100% share is from Central Sector.

22. Whether complete project cost is linked with revenue sources in SAAP? How? (250 words)

Not applicable to UT of Lakshadweep. It is Scheduled Tribe community. No tax is collected in this UT.

23. Has projects been dovetailed with other sectoral and financial programme of the Centre and State Governments? (250 words)

Yes. The projects are converged with various ongoing and / sanctioned programmes like Smart city programme,

24. Is state planning to create a Financial Intermediary, in order to pool funds from all sources and release funds to ULBs in time? Please provide details. (100 words)

Not applicable

25. Has States/UTs explored the possibility of using Public Private Partnerships (PPP), as a preferred execution model? Please discuss. (300 words)

PPP model is not practicable in the UT of Lakshadweep.

26. Are PPP options included appropriate Service Level Agreements (SLAs) which may lead to the People Public Private Partnership (PPP) model? How? (300 words)

Not Applicable

3. INTRODUCTION

3.1. BACKGROUND

Cities are engines of growth for the economy of every nation, including India. Nearly 31% of India's current population lives in urban areas and contributes 63% of India's GDP (Census 2011). With increasing urbanization, urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires comprehensive development of physical, institutional, social and economic infrastructure. All are important in improving the quality of life and attracting people and investments to the City, setting in motion a virtuous cycle of growth and development. In this regard, the Government of India launched Atal Mission for Rejuvenation and Urban Transformation (AMRUT, a flagship programme on 25th June, 2015).

The aim of the mission is to provide basic services (e.g. water supply, sewerage, urban transport) to households and build amenities in cities which will improve the quality of life for all, especially the poor and the disadvantaged. Under this programme, Government of India has selected 500 AMRUT Cities in the Country based on the urban population of the State/ UT. In which one Cities, capital island Kavaratti of Lakshadweep has been selected.

3.2. THRUST AREAS

The Mission will focus on the following Thrust Areas. Viz.,

- water supply,
- Sewerage facilities and septage management,
- Pedestrian, non-motorized and public transport facilities, parking spaces, and

- Enhancing amenity value of cities by creating and upgrading green spaces, parks and recreation centers, especially for children.

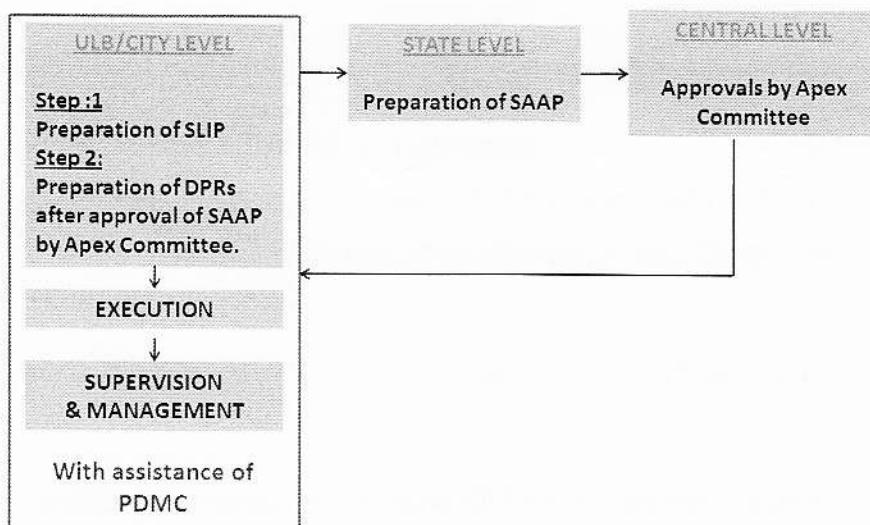
3.3. COVERAGE UNDER MISSION

Five hundred cities will be taken up under AMRUT. The list of cities will be notified at an appropriate time. The category of cities that will be covered in the AMRUT is given below:

- i. All Cities and Towns with a population of over one lakh with notified Municipalities, including Cantonment Boards (Civilian areas),
- ii. All Capital Cities/Towns of States/ UTs, not covered in 2.1(i),
- iii. All Cities/ Towns classified as Heritage Cities by MoUD under the HRIDAY Scheme,
- iv. Thirteen Cities and Towns on the stem of the main rivers with a population above 75,000 and less than 1 lakh, and
- v. Ten Cities from hill states, islands and tourist destinations (not more than one from each State).

3.3.1. Program Management Structure

The following chart shows the functions at each level. ULB had prepared the SLIPs and forwarded the same to the State. At state level slips are consolidated and SAAP is prepared.



In the UT of Lakshadweep there is no ULB. The project is executed by the administration through Lakshadweep Public Works Department

3.4. FUND ALLOCATION

The total outlay for AMRUT is Rs. 50,000 crore for five years from FY 2015-16 to FY 2019-20 and the Mission will be operated as a Centrally Sponsored Scheme. The AMRUT may be continued thereafter in the light of an evaluation done by the MoUD and incorporating learning's in the Mission. The Mission funds will consist of the following four parts:

- Project fund - 80% of the annual budgetary allocation
- Incentive for Reforms - 10% of the annual budgetary allocation
- State funds for Administrative & Office Expenses (A&OE) - 8% of the annual budgetary allocation
- MoUD funds for Administrative & Office Expenses (A&OE) - 2% of the annual budgetary allocation

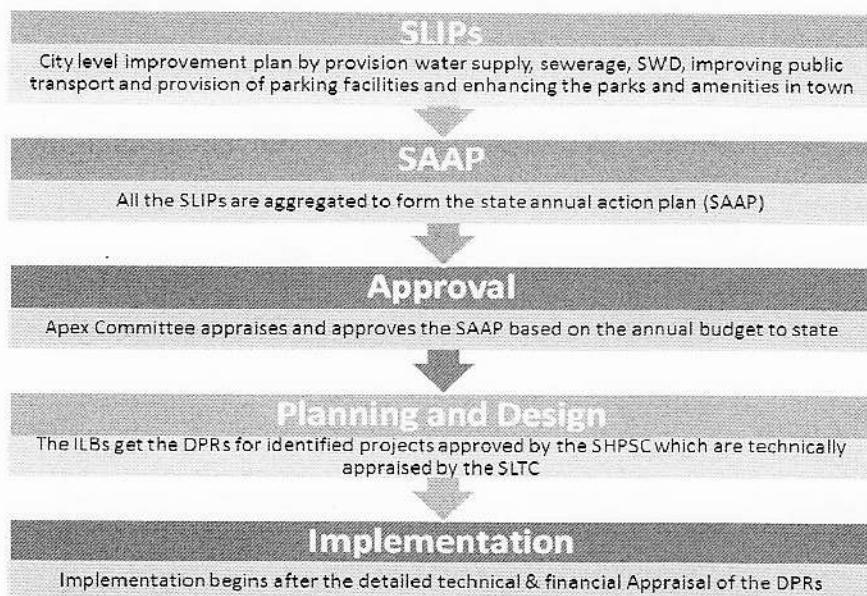
The Central Assistance (CA) for the projects will be in three installments of 20:40:40 of the approved cost. The amount of the central assistance for which SAAP is to be submitted for the AMRUT City-Kavaratti- is Rs.68 Lakh.

3.4.1.Approval of SAAP

The SAAP will be approved by the MoUD once a year according to the schedule given by the Apex Committee. The Apex Committee may revise the SAAP, approve with conditions or return it for rectification of gaps. The AMRUT will provide project funds to ULBs through the States

3.4.2. Execution of AMRUT

The tasks involved are preparation of Service Level Improvement Plan (SLIP) in consultation with stakeholders to achieve universal coverage and to fulfill the others missions. After preparation of SLIPs, State has to prepare the State Annual Action Plan (SAAP) which is three times the annual allocation. The Apex Committee appraises and approves the SAAP. The ULBs get DPRs prepared for identified projects approved by the State level Committees after technically appraisal by SLTC.



4. State Scenario- Lakshadweep

Lakshadweep is the tiniest Union Territory of India and it is the only coral island chain. This archipelago consists of 36 islands, 12 atolls, 3 reefs and 5 submerged banks. The islands have a total area of 32 sq.kms and the lagoons enclosed by the atolls cover an area of 4200 sq.kms. Its territorial waters extend to 20,000 sq.kms and Exclusive Economic Zone (EEZ) to 4,00,000 sq.kms. Only 10 of these islands namely, Agatti, Amini, Andrott, Bitra, Chetlat, Kadmat, Kalpeni, Kavaratti, Kiltan and Minicoy are inhabited. Kavaratti is the Administrative Headquarters of the Union Territory.

Parameters	Description
State	UT of Lakshadweep
Total islands	36
Total inhabited Islands	10
Major islands	Agatti, Amini, Andrott, Bitra, Chetlat,

	Minicoy, Kadmatt, Kalpeni, Kavaratti and Kiltan.
Capital	Kavaratti
Total area (sq km)	32 Sq.Km
Geographic Location	8° -12° 13' N Latitude and 72° -74° E Longitude
Population (2011 Census)	64,473
Administrative sub division	10
Temperature	32°C(Max) to 28°C(Min)
Humidity	70-75%
Connectivity	Lakshadweep consists of tiny coral islands scattered in Arabian sea. The inhabitants depends upon main land for all their needs like food grains, higher education, specialized treatment, construction materials, etc
Connectivity By Water	Provided with 2 No 400 passenger ships, 1No 700 passenger ship, 2 No 250 passenger ship, 2 No 150 passenger ship and 10 ferry vessel of capacity ranging from 17 to 150 passengers for inter island and to main land connectivity.
Air	Lakshadweep has one airport namely Agatti Airport situated at Agatti Island.
Road	Cement concrete road of 3 metre width is constructed. Area of Kavaratti Island is 3.63 SqKm. Total road length is 35.99 Km. the total road length of Lakshadweep is 207.1 Km



The cost of installation of one lakh litre per day(LTDD) plant is Rs. 46 to public through stand posts. Water supplied now is 9 (Nine) lpcd. Day has been installed at Kavaratti. Water produced in this plant is supplied to Thermal Desalination (LTDD) plant of capacity one lakh litre per day at the rate of 135 LPPD i.e. 15 lakhs litre per day. Low 15,13,350 Litre/day Total population of the Kavaratti island is 11210. The requirement water is

5.1.1 Water Supply

5.1 SERVICE LEVEL STATUS

- Green spaces and parks
 - Urban transport
 - Sewerage
 - Water supply
- The sectors addressed under mission are:

Parameters	Description
Name	Kavaratti Island
Total area (sq km)	3.63 Sq.Km
Population (2011 Census)	11210
Number of households	2244
Road length	35.59 Km

The Government of India has launched Atal Mission for Rejuvenation and Urban Transformation (AMRUT) flagship programme on 25th June 2015. Under this programme five hundred cities have been selected, in which Kavaratti Island the capital of Lakshadweep has been selected as one of the city under AMRUT mission. The details of the Kavaratti, AMRUT city, are mentioned below.

5. AMRUT CITIES SNAPSHOT

Crore(approx).The requirement of Kavaratti is 15 Lakh litre/day. Approximately Rs.690 crore is required to install 15 laks litres/day LTTD plant. This is beyond the scope of AMRUT. The total fund allotted for Kavaratti (Lakshadweep) is Rs 68 Lakhs only. A note on water supply at Lakshadweep is enclosed as ANNEXURE C (Page No.45)

Proposed Investments

It is proposed to provide 255 numbers of Rain Water Harvesting tanks (Ferro-Cement) during mission period (2015-2020) and the rest to achieve the universal goal shall be taken up with Smart City mission proposal. Kavaratti island is coming under the Smart City Mission also.

It is proposed to provide 75 Numbers of 10,000 litre capacity Ferro cement tanks for collecting rain water during the current financial year (2015-16) and an amount of Rs. 66. Lakh is earmarked.

5.1..2 Sewerage & Septage Management

Centralized sewerage/septage management system is not feasible in Lakshadweep because of porous nature of soil, low water table, geographical condition of island.

Every household in Lakshadweep has individual latrines. But septic tanks have **not been** constructed scientifically. Waste water from these septic tanks is getting mixed with ground water and thereby ground water is getting contaminated. The U.T. Administration has taken a decision to provide Bio-toilets developed by DRDO to every households and the work is in progress (**Note on sewerage is attached as ANNEXURE D**) (page 47). So far 876 number of Bio toilets have been installed at Kavaratti.

As per the AMRUT Guidelines the following works are permitted to take up under Sewerage and Septage

Sewerage

1. Decentralised, networked underground sewerage system, including

augmentation of existing sewerage system and sewage treatment plants

2. Rehabilitation of old sewerage system and treatment plants
3. Recycling of water for beneficial purposes and re use of waste water

Septage

1. Fecal sledge management- cleaning, transportation and treatment in a cost effective manner
2. Mechanical and biological cleaning of sewers and septic tanks and recovery of operational cost in full

As mentioned centralised sewage and septage management system is not feasible in Lakshadweep. There is no sewage treatment plant therefore no allocation has been made under sewage and septage sector.

5.1.3 Urban transport

Lakshadweep islands have fragile atmosphere. To promote eco-friendly tourism and to reduce carbon emission, it is proposed to procure 2 (two) number of battery operated 15 seated vehicles to enable the publics / tourists to reach important places like hospital, offices, schools etc under AMRUT CITY MISSION.

No work proposed during 2015-16. This shall be taken up in the next year(2016-17).

5.1.4 Parks, Green spaces and others

There are three number Children parks in the Mission city Kavaratti. It is proposed to provide fountain and interlocking pathway.

Proposed to provide inter-locking pathway only in 2015-16. The total amount earmarked for this year is 1.70 Lakh (Restricted to 2.5% of 68 Lakh)

Table 1 Allocation AMRUT – Lakshadweep

State/UT	Amount of Central Assistance (CA) for which SAAAP to be submitted by State/UTs	A & OE shares	Amount to be released as 1 st installment
Lakshadweep	0.68	0.02	0.14

- This is as per Annexure II of Ministry Letter No.14012/95/2015-SC dated 31.07.2015.

Table 2 Breakup of Total MoUD Allocation in AMRUT (as per table 1.1 of AMRUT Guidelines)

(Amount in Crores) – Year 2015-16				
Total Central Funds allocated to State	Allocation of funds for A&OE (@8% of Total given in column 1) **	Allocation of Funds for AMRUT (Central Share)	Multiply col. 3 by x3) for AMRUT on col. 4 (project proposal to be three- times the annual allocation - CA	Add equal (col. 4) State/ULB share Total AMRUT annual size
0.68	0.02	0.68	0.68	0.68

* For UTs SAAP is limited to Central Assistance and it is Rs. 68 lakhs for Lakshadweep.

* A& OE shall be met under UT budget



Table 3: Abstract – Sector Wise Proposed Total Project Fund and Sharing Pattern.
 In Lakhs (FY 2015-16) (RS in lakhs)

S.No	Sector	No. of Project	Centre	State	ULB	Total
1	Water supply (providing 75 No 10000 litre capacity rain water tank)	1	66	0	0	66
2	Sewerage and Septage management	0	0	0	0	0
3	Urban transport	0	0	0	0	0
4	Park & Green space (providing inter-locking Pathway in one Park 125 Sq m)	1	1.70	0	0	1.70
	Grand total	2	67.7(Say 68)	0	0	67.7(Say 68)

SAP limited to Central Assistance.

Table 4: Abstract – Sector Wise Proposed Total Project Fund and Sharing Pattern (Rs in lakhs)

S.No	Sector	GOI	State			ULB			Total
			14th FC	Others	Total	14th FC	Others	Total	
1	Water supply	66	0	0	0	0	0	0	66
2	sewage and Septage management	0	0	0	0	0	0	0	0
3	Urban transport	0	0	0	0	0	0	0	0
4	Park & Green space	1.70	0	0	0	0	0	0	1.70
	Total	67.7(Say 68)	0	0	0	0	0	0	67.7(Say 68)

SAAP limited to Central Assistance.

Table 5: Abstract – Use of Funds on Projects: Ongoing and New (Rs in Lakhs)

S. No	Sector	Total Project Investment	Committed Expenditure (any) from Previous Year	G	Proposed spending during current Financial year				Balance carry Forward for Next Financial Year				
					State	ULB	ULB	State	tot	Gol	14 th FC	Others	14 th FC
1	Water supply			66	0	0	0	0	0	0	0	0	0
2	Sewerage and Septage management			0	0	0	0	0	0	0	0	0	0
3	Urban transport			0	0	0	0	0	0	0	0	0	0
4	Park & Green space			1.70	0	0	0	0	0	0	0	0	0
	Total			67.7(Say68)	0	0	0*	0	0	0	0	0	0

SAAP limited to Central Assistance.

Table 6: Abstract – Plan for Achieving Service Level Benchmarks - Mission period (2015-2020)

Proposed Priority Projects	Total Project Cost in Crores	Indicator	Baseline	Annual Targets based on Master Plan (Increment from the Baseline Value)				
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Water supply	224.4	Providing Rain water Tank(255 Nos)	0%	20%	60%	70%	80%	100%
Sewerage and Septage management	88	Brick masonry septic tank(89 Nos)	0%	25%	60%	70%	80%	100%
		Public Toilets (2 nos)	0%	50%	100%			
Urban transport	20	Providing Battery Operated Vehicle (2 Nos)	0%	0%	50%	100%		
Park & Green space	7.38	providing inter-locking Pathway in one Park	0%	100%				
		Fountain and play equipments	0%	0%	80%	100%	-	
Total	339.78 (say 340 Lakhs)							

Table 7: Master Plan of all projects to achieve universal coverage during the current mission Period (FY2015-16 to 2019-20)

S.No	Name of the ULB (water Supply and Sewerage)	Total Number of Projects to Achieve universal Coverage	Estimated Cost in Crores	Number of Years to Achieve Universal Coverage
1	KAVARATTI			
Total				

Not applicable as the fund allocated is not sufficient to achieve universal coverage under AMRUT MISSION and the same shall be achieved in Smart city Mission

Table 8: Sector Wise Breakup of Consolidated Investments for all ULBs in the State

S.No	Name of the ULB	Water supply	Sewerage	Urban Transport	Green space	Grand Total
1	KAVARATTI	224.4	88	20	7.38	339.789 (Say 340)
<i>TOTAL</i>		224.4	88	20	7.38	339.789 (Say 340)

Table 9: ULB wise Source of Funds for all Sectors
(Amount in Lakhs)

S.No	Name of the ULB	Center	State			Total
			14th FC	Others	Total	
1	Kavaratti	340	0	0	0	No ULB in the UTL 340

Table 10: SAAP – Year wise Share of Investments for all sectors (ULB Wise)

S.No	Name of the City	Total Project Investment	Gol	Proposed spending during the current financial year			Balance carry forward for next financial year		
				14 th FC	Others	Total	ULB	Gol	State
1	Kavaratti								ULB
		340	0	68	0	0	0	-	-

- Balance carry forward next financial year shall be reflected after the completion of current financial year.

Table 11: Abstract – Sector Wise Proposed Total Project Fund and Sharing Pattern for the Current FY -2015-16(in Lakhs)

Sl.No	Sector	Number Projects	GOI	State	ULB	Total
1	Water supply	1	66	0	0	66.
2	Sewerage	0	0	0	0	0
3	Urban Transport	0	0.00	0	0	0.00
4	Green Space and Parks	1	1.70	0	0	1.70
	Total	3	67.7 (Say 68)	0	0	67.7 (Say 68)

- Water supply – It is proposed to construct 45 No 10000 Litre Ferro-cement Rain Water Harvesting Tank

75 X. Rs.0.88 Lakh = Rs 66. Lakhs

- Sewerage - Nil
- Urban Transport - Nil
- Park - It is proposed to provide interlocking tiles 125 Sqmtr footpath of one park
125 Sqm X Rs. 1349.47/Sqmtr = Rs.1.69 Lakhs(say 1.70 Lakhs)

Table 12 Abstract – Sector Wise Proposed Total Project Fund and Sharing Pattern for the Current FY -2015-16(in lakhs)

Sl.No	Sector	GOI	State			ULB	Total
			14 th FC	Others	Total		
1	Water Supply	66	0	0	0	0	66
2	Sewerage	0.00	0	0	0	0	0.00
3	Urban Transport	0.00	0	0.00	0	0	0.00
4	Green Space and Parks	1.70	0	0	0	0	1.70
	Total	67.70	0	0	0	0	67.70
			(say 68)				(Say 68)

Table 13: Master Plan of all projects to achieve universal coverage for the Current FY -2015-16

Sl.no	Name of the ULB (water Supply and Sewerage)	Total number of projects to achieve universal coverage	Estimated Cost in Crores	Number of Years to Achieve Universal Coverage
1	Kavaratti			

The fund available with AMRUT city mission is not adequate to achieve the universal coverage in water supply and sewerage. It is proposed to construct 75 number of Rain water harvesting tanks tank in the AMRUT Mission and the remaining to achieve the universal coverage shall be taken up with SMART city Mission.

Table 14: Sector Wise Breakup of Consolidated Investments for all ULBs in the State for the Current FY -2015-16(in lakhs)

Sl.No	Name of the city	Water Supply	Sewerage	Drainage	Urban Transport	Green Spaces and Parks	Reforms	Total
1	Kavaratti	66	0.00	0.00	0.00	1.70	0	67.70 (Say 68)

Table 15: ULB wise Source of Funds for all Sectors for the Current FY 2015-16(in lakhs)

Sl.No	Name of the ULB	Centre	State	ULB	Total
			14 th FC	Others	total
1	Kavaratti	68	0	0	0
Total		68	0	0	68

Table 16: SAAP – State level Plan for Achieving Service Level Benchmarks

Proposed priority projects	Total project cost in Lakhs	Indicator	baseline	Annual target based on Master plan Increment from the baseline value					
				FY 2016		FY 2017		FY 2018	
				H1	H2	2017	2018	2019	2020
Water supply									
	224.4	Providing rain water Tanks 255 numbers	0%	-	20%	60%	70%	80%	100%
Sewerage									
	88	Providing Brick masonry septic Tank 89 Nos	0%	-	25%	60%	70%	80%	100%
		Public Toilets 2 Nos	0%	-	50%	100%			
Urban Transport									
	20	Proving battery operated Vehicle (2 Nos)	0%	-	0%	50%	100%		
Green Space and Parks									
	7.38	Providing inter-locking pathway in 1 park	0%	-	100%				
		Fountain & Play equipments	0%	-	0%	80%	100%		

Table 17: State Level Plan of Action for Physical and Financial Progress2015-16
Water supply sector (Rs in lakhs)

Sl.No	Name of the City	Performance indicator	Baseline water supply coverage in percentage	Mission Targets	For financial year 2015-16	
					For half year 1	For half year 1
1	Kavaratti	Rain harvesting tanks @ 0.88 Lakhs	0%	255 Nos		
	Total		0%	255 Nos	-	20% 66

Table 18: State Level Plan of Action for Physical and Financial Progress2015-16Sewerage

Sl.No	Name of the City	Performance indicator	Baseline water supply coverage in percentage	Mission Targets	For financial year 2015-16	
					For half year 1	For half year 2
1	Kavaratti	Brick masonry Septic Tanks @ 0.6322 Lakhs	0%	89 Nos 56.27 Lakhs	0 0	0 0
2	Kavaratti	Public Toilets @ 15.90 Laks	0%	2 Nos 31.80 Lakhs	0 0	0 0

Table 19: State Level Plan of Action for Physical and Financial Progress 2015-16
Urban Transport

Sl.No	Name of the City	Performance indicator	Baseline water supply coverage in percentage	Mission target	For financial year 2015-16	
					For half year 1	For half year 2
					Physical progress to be achieved	Funds to be utilised
	Kavaratti	Battery operated Vehicle	0	2 Nos	No works proposed during 2015-16	
	Total		0	2 Nos	0	0

Table 20: State Level Plan of Action for Physical and Financial Progress 2015-16
Green Space and Parks (Rs in Lakhs)

Sl.No	Name of the City	Performance indicator	Baseline water supply coverage in percentage	Mission targets	For financial year 2015-16	
					For half year 1	For half year 2
					Physical progress to be achieved	Funds to be utilised
	Kavaratti	Foot path with inter locking	0	125 sq.m	0	0
		Fountain & Play Equipments	0		No works proposed during 2015-16	100%
	Total		0	125sq.m	0	1.70


AMRUT
*Amt Mission for Rejuvenation
and Transformation*

and Transformation

and Transformation

Table 21. PRINCIPLES OF PRIORITIZATION FOR THE CURRENT FINANCIAL YEAR (2015-16) (in lakhs)

Sl.N o	Name of the city	Water supply LPCD	Water supply Project cost	Sewera ge Project cost	Urban transport	Green space project cost	Total amount prioritized	Centre share	State share	ULB share	Remarks
1	Kavaratti	66	0.00	0.00	1.70	68	68	0	0	0	There is no ULB
	Total	66	0.00	0.00	1.70	68	68	0	0	0	
	Total project cost					68	68	0	0	0	
	Total fund required for entire Mission period					340					
	Total fund required for the current financial year					68	68	0	0	0	

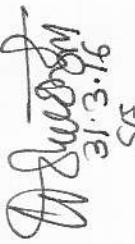
Table 22: SAAP : Broad Proposed Allocations for Administrative and Other Expenses (In Rupees)

Sl No	Items A&OE	Proposed for Total Allocation	Committed expenditure from previous years (If any)	Proposed spending for current financial year	Balance to carry forward		
					FY 2017	FY 2018	FY 2018
	Preparation of SLIP and SAAP	0	0	0	0	0	0
	PDMC	0	0	0	0	0	0
	Procuring third party in depended review and Monitoring agency	0	0	0	00	0	0
	Publications	0	0	0	0	0	0
	Capacity building and Training	1,00,000	0	0	25000	25000	25000
	Reform implementation	1,00,000	0	0	25000	25000	25000
	Total	2,00,000	0	0	50000	50000	50000

Table 23 Reforms Type, Steps and Target for AMRUT Cities FY 2015-2016(Table 5.1 of AMRUT Guidelines)

Sl.No	Type	Steps	Implementation time line	Target to be set by state in SAAP	
				April to Sep 2015	Oct 2015 to Mar 2016
	Digital ULBs,				
	1. Creation of ULB website	ULB	6 month		
	There is no ULB in the UT of Lakshadweep. The UT of Lakshadweep has its own website www.lakshadweep.nic.in. This will be used for AMRUT Mission				
1	E- Governance	2. Publication of e- Newsletter,	e- 6 month		
	Lakshadweep Times is the official news paper of the Lakshadweep Administration and is available in the website also. Lakshadweep Times will be used for AMRUT Mission				
	Digital India Initiative				
	3. Support Digital India	India	6 month		
	(ducting to done on PPP mode or by the ULB itself				
	There is no ULB in the UT. Action is in hand to implement e- office system. A brief note on proposed e-office project is enclosed as Annexure E				

2	Constitution and professionalisation of municipal cadre	1. Policy for engagement of items in ULB and implementations	12 month		
3	Augmenting double entry accounting.	1. Complete migration to double entry accounting system and obtaining an audit certificate to effect from FY 2012 -13 onwards	12 month		
		The scheme will be implemented by Lakshadweep PWD. There is no ULB. Accounts will be audited by A.G Kerala.			
4	Urban Planning and City Development Plans	2. Publication of annual financial statement on website	Every year		
		Annual financial statement of AMRUT mission will be published on Lakshadweep website www.lakshadweep.nic.in .			



31.3.16
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	SMART CITY Mission also and the SMART CITY Proposal is already submitted vide F.No.1/2/2015-SPC dated 14/12/2015.		
2.	Make action plan to progressively increase Green cover in cities to 15% in 5 years <small>With concern</small>	6 month	
	Kavaratti is covered trees. 71% is already covered.		
3.	Develop at least one children park every year in the AMRUT cities	Every year	
	Proposed in the SAAP. Details at page No.23		
4.	Establish a system for Maintaining of parks play grounds and recreational areas relaying on people private public partnership(PPP) model	12 month	
	Provision is kept in annual plan of the UT administration under Urban Development for the development of Parks. PPP model is not feasible. It is small island of 3.63 Sq Km area.		
5	Devolution of funds	1. Ensure transfer of 14 th	

D. M. J. S. E.
31.3.16

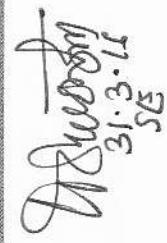
and functions	FC devolution to ULBs	FC devolution to ULBs	FC devolution to ULBs
	There is no ULB in the UT of Lakshadweep. There is 2(two) tier panchayath system. Each island is considered as one gram sabha known as Village Dweep Panchayath (VDP) and one District Panchayath (DP), 22 Number of District Panchayath Members and District Panchayath is headed President cum Chief counsellor (PCC). Since Lakshadweep is a U.T without legislative 14 th FC is not applicable. Recommendations of Finance Commission for UTs without legislative would be followed.		
	2. Appointment of state finance commission(SFC) and making decisions.		
	Since Lakshadweep is a U.T without legislative 14 th FC is not applicable. Recommendations of Finance Commission for UTs without legislative would be followed.		
	3. Transfer of all 18 function to ULBs		
	There is no ULB in the UT of Lakshadweep. However there is two tier panchayath system and 5 departments (Education, Animal Husbandry, Fisheries, Agriculture and Medical & Public Health) are handed over to District Panchayath. Details attached as Annexure I		

M. J. M. S. E.
31.3.16

6	Review of Building by-laws	1. Revision of building bye laws periodically	12 months
		Lakshadweep Building Bye law 2016 is notified on 04.03.2016. Building byelaw was sent to MHA vide F.No.106/14/2014-S3 dated 23.03.2016 for placing before both houses of parliament for approval.	
		2. Create single window clearance for all approval to give building permissions	12 months
		This will be considered after the implementation of Building bye law.	
7 (a)	Municipal Tax and fees improvement	1. At least 90% coverage 2. At least 90% collection 3. Make a policy to, periodically revise property tax, levy, levy charges and other fees 4. Post Demand Collection Book (DCB) of tax details on the website.	

Amudhan
31.3.16
SS

	advertisement revenue by making policy for destination specific potential having dynamic pricing module.	The indigenous population of the island is Schedule Tribe Community and there is no tax collection.	
7(b)	Improvement in levy and collection of user charges.	<p>1. Adopt a policy on user charges for individual and institutional assessments in which a differential rate is charged for water use and adequate safeguards are included to take care of interests of the vulnerable.</p> <p>2. Make action plan to reduce water losses to less than 20% and publish on the website.</p>	12 months



D. M. D. S.
31.3.14
SCE

		3. Separate accounts for user charges.			
		4. Atleast 90% billing.			
		5. Atleast 90% collection.			
8	Energy & Water audit	The indigenous population of the island is Schedule Tribe Community and there is no tax collection. The water available now is 9 lpcd and not sufficient to provide household connections. it will be considered after augmenting the plant capacity under Smart city mission. Collection of user charge will be implemented after providing household connections.	1. Energy(street light) and water Audit (including non - revenue water or losses audit).	12 months	

The Administration is now producing 9 LPCD desalinated water and drinking water is supplied to public through street taps.

2. Making STPs and WTPs energy efficient.		
It is not feasible for the installation of Sewerage treatment plant and Ground Water Treatment plants in Lakshadweep due to fragile ecology condition of islands.		

		3. Optimize energy consumption in street lights by using energy efficient light and increasing reliance on renewable energy.	A note on street lights is enclosed as Annexure F
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Table 24:- SAAP- Reforms Type, Steps and Target for AMRUT Cities FY 2016-17

Sl.No	Type	Steps	Implementation time line	Target to be set by state in SAAP			
				April to Sep 2015	Oct 2015 to Mar 2016	April to Sep, 2016	Oct to Mar 2017
1	E-Governance	1. Coverage with E-MASS(from the date of hosting the software) <ul style="list-style-type: none"> • Action is on hand to improve the band width. A note on E- Governance is attached as Annexure E 	24 month	•			

Lakshadweep Administration is already implemented online Registration of Birth and Deaths. The individual can make online registration of the Birth and Deaths in www.censussindia.gov.in from the respective hospital/health centers in islands.

- Water & Sewerage Charges,

Available Drinking Water is not sufficient to provide household connections. Proposal kept in Smart City mission to augment capacity of the LTTD plants.

	<ul style="list-style-type: none"> • Grievances Redressal <p>On line Grievances redressal is a part of e- Governess. A note in this regard is attached as Annexure E</p>	
	<ul style="list-style-type: none"> • Property Tax • Advertisement Tax <p>Not Applicable Indigenous population is Schedule Tribe and there is no tax collection..</p>	
	<ul style="list-style-type: none"> • Issuance of licenses • Building Permission <p>On line Issue of license, Building permit, etc will be included in e-Governess project</p>	
	<ul style="list-style-type: none"> • Mutation • Payroll • Pension and e- Procurement 	<p>On implementation of the e- governess after augmenting the Bandwidth, E pension will be considered. The Administration is executing all works by e- Tendering.</p>

2	Constitution and professionalization of municipal cadre.	1. Establishment of municipal cadre. 2. Cadre linked training	24 months	
		Not applicable - UT of Lakshadweep is the smallest UT. There is no ULB and only two tier panchayath system is existing.		
3.	Augmenting double entry accounting	Appointment of Internal auditor	24 months	
		The scheme will be implemented by Lakshadweep PWD. There is no ULB. Accounts will be audited by A.G Kerala.		
4	Urban planning and Development Plans	Make state level policy for City implementing the parameters given in the National Mission for Sustainable Habitat.	24 months	
		Integrated Island Management Plan is prepared and notified by the Ministry of Environment and Forest. A Master Plan for all island is prepared by School of Planning and Architecture New Delhi.		
5	Devolution of funds and functions	Implementation of SFC recommendations within timeline	24 months	
		There is no ULB in the UT of Lakshadweep. There is 2(two) tier panchayath system. Each island is considered as one gram Sabha Known as Village Dweep Panchayath (VDP) and one District Panchayath (DP). 22 Number of District Panchayath Members and District Panchayath is headed		

6	Review of Building bye- law	President cum Chief counsellor (PCC)	24 months
		<p>1. State to formulate a policy and action plan for having a solar roof top in all buildings having an area greater than 500 Square meters and all public building.</p> <p>2. State to formulate a policy and action plan for having Rain Water harvesting structure in all commercial, public building and new building on plots of 300 sqm and above</p>	<p>1. This will be incorporated in the Building bye law.</p> <p>2. The Administration is providing Rain Water Harvesting Tanks to the Government/ private residential buildings as well as public buildings.</p>

Annual Action Plan for implementing the AMRUT Mission Lakshadweep-

7 Set-up financial intermediary at state level	1. Establish operationalize financial intermediary –pool finance, access external funds, float municipal bonds	and 24 months
	All funds are provided by Central Government. No other source of fund.	
8 Credit Rating	1. Complete the credit rating of ULBS	24 months
	Not applicable. There is No ULB in the UT of Lakshadweep.	
9 Energy and water audit	1. Give incentive for green buildings (eg. Rebate in property tax or charges connected to building permission/development charges)	24 months
	Indigenous population is schedule tribe and there is no tax collection/ Development charges.	
		Building permission

Table 25:-Reforms Type, Steps and Target for AMRUT Cities FY 2017-18

Sl. No	Type	Steps	Implemen tation time line	Target to be set by state in SAAP					
				April to sept 2015	Oct,20 to March 2016	April to March 2016	Oct 2016 to Marc h 2017	April to Sep 2017	to Oct 2017 to March 2018
1.	E-Governance	1.Project management						Training to one JE, one AE,& one EE	
		2. Project management						Training to one JE, one AE,& one EE	
2	Urban Planning and City Development plans	1.Establis Development Authorities	Urban months	36	1. Not applicable				

3	Swatch Bharat Mission	<p>1. Elimination of open defecation</p> <p>2. Waste Collection(100%)</p> <p>3. Transportation of waste</p> <p>4. Scientific Disposal</p> <p>5. The state will prepare a policy for Right – sising the number of municipal functionaries depending on, say ,population of the ULB, generation of internal resources and expenditure on salaries.</p>	<p>1. There is no open defecation in the UT. All houses have individual latrine.</p> <p>2,3,&4 A note on Solid waste management is attached as Annexure G</p> <p>5. Not applicable-There is no ULB in the UT and all projects are executed by the UT Administration with the funds allocated by the Central Government.</p>
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Table 26:- Reforms Type , Steps and Target for AMRUT Cities FY 2018-19

SI.NO	Type	Steps	Implementation time line	Target to be set by state in SAAP
1	Urban Planning and City Development Plans	1. Preparation of Master Plan Using GIS	April to sept 2015 Oct 2016 to March 2017 to sep 2016 2015	Integrated Island Management Plan is prepared and notified by the Ministry of Environment & Forest. Master plan is prepared by School of Planning and Architecture New Delhi.

Annexure A

SERVICE LEVEL GAP

There are no surface water sources like stream and rivers available in islands. The only natural source of water is ground water. The ground water is limited and the quality is disturbed by sea water intrusion. The Administration has established one number 1 (one) Lakh litre per day capacity Low Temperature Thermal Desalination Plant (LTTD) to provide safe water to the public. 9 (Nine) lpcd water is presently supplied through street taps.

Net quantity of Rain water is harvested at Kavaratti is **11.32 LPCD** as detailed

Net quantity of rain water harvested at Kavaratti

Population of the Kavaratti Island	- 11210
No of households	- 2246
Average person	- 5 person /house
Consumption (IS: 1172-1963)	- 135 LPCD
Water requirement per households (@ 135 LPCD)	- 135 X 5= 675 litre/day
Time period to empty 10000 litre tank	- $10000/675 = 15$ days

SL.No	Number of Tanks	No tanks in Working Condition	Capacity(inLitres)	Total Rain water Harvested
1	1	1	1 lakh	1,00,000
2	1	1	60,000	60,000
3	1	1	25,000	25,000
3	2	2	20,000	40,000
2	540*	401	10,000	40,10000
3	100	100	5,000	500000
Total	645	506		46,35,001

*139 No 10,000 liter tanks damaged

54



A handwritten signature in black ink, appearing to read 'Arun Jadhav'. Below the signature, the date '31.3.16' is written, followed by the initials 'S.E.'
Arun Jadhav
S.E.

Total Rain water collected (single time)	- 46,35,001 liters
Normal Rainy season June to September	- 4 months
Few showers from November to December	- 1 months (effectively)
Total Rainy months (aprox)	- 5 Months
Refilling period of tanks (Taking 10000 liter take as base) – 2 times in a month	
Approximately tanks get refilled (in a year)	- 10 times
Rain water Harvested per year	- 10X 46,35,001
Rain water Harvested per day	- <u>4,63,50,010 litres</u> - 4,63,50,010/365 - <u>1,26,986 litre/day</u>
Rain water harvested Per capita	- 126986/11210 - <u>11.32 LPCD</u>

Total per capita availability = Desalinated water + Rainwater harvested

$$= 9 + 11.32 = \underline{\underline{20.32 \text{ LPCD}}}$$

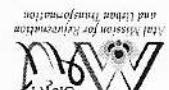
The population of Kavaratti is 11,210 as per Census 2011. The requirement of water is 15 lakh litre per day at the rate of 135 lpcd. 115 LPCD of water is further required for meeting the requirements @135 LPCD.

The cost of installation of 1 (one) Lakh litre per day LTTD Plant is Rs.46 Crore (approx) and about Rs.690 Crore is required to install 15 Lakh litre per day plant. This is beyond the scope of AMRUT.

Hence during the prioritization of the project, the State High Power steering Committee has decided to give first priority to the water supply, aimed to provide rain water tanks where ground water is saline.

The Capital City, Kavaratti is under in Smart city mission (fast track cities). The following is proposed in smart city proposal for the Augmentation of Water supply sector.

31-3-16
A. B. Murti
SCE



city mission projects.

98 LPCD can be approximately achieved by implementing the AMRUT & smart

$$\text{Total} = (a+b+c) = (80.28 + 11.32 + 6.23) = 97.83 \text{ LPCD}$$

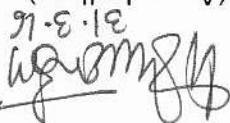
<u>25500000 litres</u>	Number of Rain water Tanks(10000 liter)	- 255 No
<u>Normal Rainy season June to September</u>	Total Rain water collected (single time)	- 2550000 litres
<u>4 months</u>	Normal Rainy season June to September	- 4 months
<u>1 months</u>	Few showers from November to December	- 1 months
<u>5 Months</u>	Total Rainy months (approx)	- 5 Months
<u>Refilling period of tanks (Taking 10000 liter tank as base) - 2 times in a month</u>	Approximately tanks get refilled (in a year)	- 10 times
<u>25500000 litres</u>	Rain water Harvested per Year	- 10x 129000
<u>25500000 litres</u>	Rain water Harvested per day	- 25500000/365
<u>69863 litre/day</u>	Rain water Harvested per day	- 69863 litre/day
<u>69863/11210</u>	Rain water harvested Per capita	- 69863/11210
<u>- 6.23 LPCD</u>	Rain water Harvested Per capita	- 6.23 LPCD

c) Rain water Harvesting Proposed in AMRUT

- a) Total production of Desalinated water by Low Temperature Thermal Desalination Plant(LTID) - $3 + (2 \times 3) = 9$ Lakhs litre per day
- b) Rain water Harvested = $\frac{11210}{11210} = 11.32 \text{ LPCD}$
- c) Rain water Availability = $\frac{9,00,000}{9,00,000} = 80.28 \text{ LPCD}$
- IV. Installation of 2 Number (3 lakhs litre per day capacity) LTID plant. An amount of 16000 lakhs is proposed in the Smart city proposal.
- III. Augmentation of existing Desalination LTID plant from 1(lone) lakh litre per day to 3 lakh litre per day. An amount of 3000 lakhs is proposed in the Smart city proposal.
- II. Annual Action Plan for implementing the AMRUT Mission Lakshadweep-

Superintendent Engineer & Mission Director

(Arun Jadhav)

31.3.16


where wells are contaminated with E - coli, under AMRUT Mission during 2015-20.
It is proposed to provide 89 numbers Brick masonry septic tanks at the places

Androth	-	660
Bitra	-	82
Kavaratti	-	876

Number of Bio toilets installed

in progress

- (i) Proposed to install 1,2000 Bio digesters in Laksadweep
- (ii) Installation of Bio toilets started on 17.11.2012 at Kavaratti and work is

the work is in progress (Under state sector)
taken a decision to provide Bio-toilets developed by DRDO to every households and
Every household in Laksadweep has individual latrines. The Administration has

Sewerage

1. Lakshadweep consists of 36 islands, submerged reefs and sand banks and has 10 inhabited islands viz Kavaratti, Agatti, Minicoy, Andrott, Kalpeni, Amini, Kadmat, Chetlat, Kiltan and Bitra. The indigenous population is Scheduled Tribe. The total population is 6473. There are no rivers, streams or water bodies in any of the islands and the only potable water resources for the inhabitants is the ground water, which is recharged during every monsoon rainfall (Average rainfall 1600mm).
2. Water supply is partial in quantity. It is combination of ground water, rain water, Desalination Plant. Water supply scheme has been introduced in all islands but the supply is partial in quantity. The only natural source of water is ground water. Quantity of ground water is limited and the quality is disturbed by sea water intrusion and lack of proper sanitation network.
3. Ground water is limited. The Administration has taken steps to reduce the ground water extraction by constructing Rainwater Harvesting Tanks (RHT) and by installing Low Temperature Desalination Plants of 1 Lakh litre per day capacity are installed in three islands viz Kavaratti, Minicoy and Agatti. Installation of 6 Nos Nos Rainwater Harvesting Tanks (RHT) have been constructed, 3 Nos of Low Temperature Desalination Plants (Sea water based). 4457 Nos Reverse Osmosis (RO) plant is in progress at Bitra Island. Bitra is the smallest island having population of 271 as per 2011 census and the land area is 0.1 Sq Km.
4. In three islands namely Kavaratti, Agatti and Minicoy water is produced by Low Temperature Desalination Plants (LTD) and supplied to public by street taps. The per capita supply of desalinated water through street tap at Kavaratti, Minicoy and Agatti is 9 LPCD, 9.6 LPCD and 13 LPCD respectively. In the remaining seven islands, requirement of drinking water is met by ground water and rain water harvesting.

WATER SUPPLY IN LAKSHADWEEP

Annexure C

Superintending Engineer & Mission Director

(Arun Jadhav)

31.03.16

during the year 2015-16. Expenditure incurred upto 31.03.2016 is Rs.475 Lakh. amount earmarked under 4215 Water Supply and Sanitation (Plan) 02 00 53 is Rs.475 Lakh During the current five year plan (12th) an amount of Rs.7400 Lakh is allocated. The

condition.

There is no sewage treatment plant in the UT of Lakshadweep. The conventional type of sewage treatment plants are not feasible considering its geographical and geological

islands is in the approval by Govt of India. proposal for installing Low Temperature Thermal Desalination Plant (LTTD) in remaining six Desalination Plant (LTTD) plants are installed in Kavaratti, Minicoy and Agatti and the with desalination plants and rainwater harvesting tanks. Three Low Temperature Thermal Desalination to meet the requirement of drinking water in islands, it has to be supplemented therefore. The only natural source of water is ground water and the quantity is limited. Water Supply scheme has been introduced in all islands but the supply is partial in quantity. The following works are planned during the financial year 2015-16.

Capital Expenditure

Annexure B

Superintendent Engineer & Mission Director

(Arun Jadhav)

31.3.16
W. Jadhav

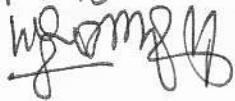
Sl.No	Island	Rain water tank	Total
1	Kavaratti	645	
2	Minicoy	648	
3	Andrott	299	
4	Ammini	479	
5	Agatti	721	
6	Kalpeni	380	
7	Kademat	362	
8	Kilitan	359	
9	Cheletat	110	
10	Bitra	4457	

7. Details of Rain water tanks constructed in islands is attached.
- Temperature Thermal desalination plant) is Rs. 46 crore.
- UT Administration. As per Detailed Project Report (DPR) Rs. 280. Cr is required to set up six plants. Approximate cost to set up one desalination plant (Low set up six plants. Approximate cost to set up one desalination plant (Low
- Ministry of Drinking Water and Sanitation, Nirman Bhawan, New Delhi-110 108 by Thermal Desalination Plants submitted to the Secretary, Government of India,
- Expenditure Finance Committee (EFC) documents to set up six Low Temperature laboratory at Cheletat.
- Water testing laboratories have been installed in all islands to monitor quality of water except Bitra Island. The water quality of the Bitra Island is monitored by the
6. Expenditure Finance Committee (EFC) documents to set up six Low Temperature laboratory at Cheletat.

Superintending Engineer & Mission Director

(Arun Jadhav)

31.3.11



6. It is proposed to provide 89 numbers Brick masonry (permanent) septic tanks at the places where wells are contaminated with E -coli, under AMRUT Mission.

Kavaratti	-	876	Androth	-	660
Bitra	-	82			

Number of Bio toilets installed

- (IV) Proposed to install 1,200 Bio digesters in Laksadweep (under state sector) Installation of Bio toilets started on 17.11.2012 at Kavaratti and work is in progress
- (V) Every household in Laksadweep has individual latrines. The Administration has taken a decision to provide Bio-toilets developed by DRDO to every households and the work is in progress
5. Every household in Laksadweep has individual latrines. The Administration has because porous nature of soil, low water table, geographical condition of island centralized sewerage/septage management system is not feasible in Laksadweep
4. All the schools are having toilets for both girls and boys separately.
3. All the schools are having toilets for both girls and boys separately.
2. There is no open defecation in islands. All the residential buildings are waste water is getting contaminated
1. Laksadweep consists of 36 islands, submerged reefs and sand banks and has 10 inhabited islands viz Kavaratti, Agatti, Minicoy, Andrott, Kalpeni, Ammini, Kadmat, Chetlat, Kiltan and Bitra. The indigenous population is Scheduled Tribe. The total population is 6473. The total geographical land area is 32 sq km and land use area is 26.89 km. The average land area of each island is 3.5 sq km.

Note on Sewerage System in Laksadweep

Annexure D

31-3-16
Biju

Executive Engineer (E.I.E)
(R. Ravichandar)

Total LED street light sets further required = 2575 Nos
Estimated cost for the purpose = Rs. 3950/- per set X 2575
= Rs. 1,01,71,250/-

S.No.	Island	No of Street Lights	LED Street Lights	Balance
1.	Mimcoy	730 Nos	435 Nos	295 Nos
2.	Kavaratti	1163 Nos	465 Nos	698 Nos
3.	Amiti	664 Nos	435 Nos	229 Nos
4.	Andrott	833 Nos	385 Nos	448 Nos
5.	Kalpemi	527 Nos	285 Nos	242 Nos
6.	Agatti	541 Nos	305 Nos	236 Nos
7.	Kademar	664 Nos	310 Nos	354 Nos
8.	Kithan	423 Nos	400 Nos	23 Nos
9.	Cheddar	380 Nos	380 Nos	Nil
10.	Bitra	80 Nos	80 Nos	Nil
11.	Bangaram	50 Nos	50 Nos	Nil

both LED and ordinary at each island is as follows:

Street lights along with Bitra which is already an LED island. Distribution of street lights LED sets. Another 300 Nos are under supply which will replace the remaining ordinary street lights in Cheddar and Kithan island. With this Cheddar island will be without ordinary LED sets. Deptt. has already replaced 2980 No of ordinary street lights with energy efficient

Street Light LED Conversion (Mild term plan)

Annexure F

SE

31-3-11

Signature

and other Information



65

Department of Environment and Forest
Conservator of Forest

All the bio degradable waste generated used for bio manuring production at the place of origin and also used as fuels for boiling the fishes by fisherman during the processing of dry fish (Masmin)

The department of Environment and Forest is collecting, segregating, transporting and disposing non bio degradable waste from bins placed in public locations in all inhabitated islands. The department has established Central Garbage Depository in all islands for the collection, disintegration of above waste.

Lakshadweep has a land mass of 32 sq km with population 64473. The island does not have waste land or fallen land for making land filling site or dumping site. Glass and cement bags are major waste generating in each island which do not have proper disposal. The Administration made policy during 2014-15 to transport this waste to mainland considering the fragile ecology of Lakshadweep through open tender finalization and accordingly transported 30,000 kg Glass waste.

A note on Solid Waste Management

Annexure G



Superintending Engineer & Mission Director

(Arun Jadhav) 31-3-16.

Simultaneously

Sanction (b & c can be done

- a) Time required for completion of work - 6 month
- b) Time required for observing formalities - 1 month
- c) Time required for preparing beneficiary list - 1 month
- d) Total time required to complete the works - 7 months from the date of

Proposed Time Line

(125 Sqm X Rs.1349.47/Sqmetr = Rs.1.70 Lakhs

125 Sq mt footpath of one park

4. Park & Green space - It is proposed to provide interlocking tile

3. Urban Transport - Nil

2. Sewerage - Nil

= Rs 66 Lakhs)

cement Rain Water Harvesting Tank (75 X. Rs.0.88 Lakh

1. Water supply - It is proposed to construct 75 No 10000 Litre Ferro-

AMRUT mission, Kavaratti

Time line for the execution of Work under

SFS
31.3.16
M. Biju

1. The Lakshadweep Administration has transferred schemes and programmes implemented by Department of Agriculture, Animal Husbandry, Education, Fisheries, Health and Sanitation along with all the plan schemes and all the non plan components to the District Panchayath and Village Dweep Panchayath.
2. The entire plan and non plan budget required for the above scheme transferred as Grant in Aid to District Panchayath and Village Dweep Panchayath from the Directorate of concern department.
3. All centrally sponsored schemes of the departments are also transferred to the District Panchayath.
4. All Agriculture demonstration units through which the programmes of coconut development , organic farming,lively hood support services , horticulture development , integrated pest management, maintenance of gardens are transferred to village dweep panchayath.
5. All kinds of purchase of feed , fodder, vaccines, medicines equipments under poultry development programme , goat development programme, cattle and technical assistance programme is transferred to the district panchayath.
6. The general function and control production and distribution of milk eggs , hatchery unit as at island level transferred to village Dweep Panchayath.
7. All schemes and programmes of primary ,secondary, higher secondary from 1st to 12th standard of education sector and technical education are transferred to District Panchayath.
8. The functions under department of fisheries like assistance to fishermen for construction/renovation/repair of fishing boats and country crafts under subsidy motorisation of fishing boats and supplying of marine safety and life saving

Dweep Panchayath

A Note of Devolution of functions to District Panchayath and Village

Annexure I

31.3.16
W.M.Singh



67

1. The Lakshadweep Administration has transferred schemes and programmes implemented by Department of Agriculture, Animal Husbandry, Education, Fisheries, Health and Sanitation along with all the plan schemes and all the non plan components to the District Panchayath and Village Dweep Panchayath.
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5. All kinds of purchase of feed , fodder, vaccines, medicines equipments under poultry development programme , goat development programme, cattle and technical assistance programme, veterinary services extension activities under training development programme, general function and control production and distribution of milk eggs , hatchery unit as at island level transferred to village Dweep Panchayath.
6. The general function and control production and distribution of milk eggs , All schemes and programmes of primary ,secondary, higher secondary from 1st to 12th standard of education sector and technical education are transferred to hatchery unit as at island level transferred to village Dweep Panchayath.
7. All schemes and programmes like assistance to fishermen for construction/renovation/repair of fishing boats and country crafts under subsidy District Panchayath.
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Dweep Panchayath

A Note of Devolution of functions to District Panchayath and Village

Annexure I

31.3.9
S. B. Shingare



Chief Executive Officer
Ramchandra Shingare

district panchayat.

9. All schemes of health and sanitation including hospitals primarily health centres and dispensaries , family welfare and public health activities are transferred to panchayat.

Self help Group other voluntary organisations, production of value added fishery products and fish waste utilisation with 30% subsidy etc are transferred to district panchayat , supply of fishing gear materials , extension of financial assistance of

31-3-16
H. B. Singh



Conservative of forest

Gulab Singh

A comprehensive plan for removing non biodegradable waste is implemented under the scheme scientific management non biodegradable waste. Under this scheme waste bins are placed all the islands and regularly cleared and disposed.

A comprehensive plan for removing non biodegradable waste is implemented under the scheme scientific management non biodegradable waste bins are placed all the islands and regularly cleared and disposed.

We had launched regular cleaning of roads and other public premises under the Scheme Sanitation, Health & Hygiene. Under this Scheme, drinking water facilities etc. are monitored. Appointment of Ward Wise Swach Bharat Abhiyan. A proposal for regulation, to facilitate the interaction between general public & department.

Islands participating SHGs / NGOs with the help of local stakeholders. Up keeping cleanliness tempo among local people, a ward wise best clean house awards were given on a function of Gram Sabha in each Island organized for this purpose. Proposals are initiated for Similar Mass Cleaning Programme during December month under Swach Bharat Abhiyan. A proposal for regular beach cleaning programme is under pipeline.

A one week long mass cleaning drive was organized during November, 2014 in all islands participating SHGs / NGOs with the help of local stakeholders. Up keeping cleanliness monitored by the each head of institutions and ensuring the 100% participation of the employees.

Fridays of every month since Friday is the Educational holiday. These programmes are conducted day and all the offices and premises, parking areas etc are cleaned and disposed unconditionally regularly. All the educational institutions are also cleaned on the first Shramadan day and all the offices and premises, parking areas etc are cleaned as per the nodal Officer of Swach Bharat Abhiyan. The first Saturday of every month is declared as Environment and Forests as Chairman and Conservator of Forests as Member Secretary cum Nodal Officer of Swach Bharat Abhiyan. The first Saturday of every month is declared as Lakshadweep Abhiyan, with Collector Cum Development Commissioner Committee under Swachh Lakshadweep Abhiyan.

Accordingly the UT Administration formed a State Level Committee under Swachh Lakshadweep Abhiyan, with Collector Cum Development Commissioner and Secretary, Environment and Forests as Chairman and Conservator of Forests as Member Secretary cum Nodal Officer of Swach Bharat Abhiyan. The first Saturday of every month is declared as Lakshadweep Abhiyan.

Administration at Lakshadweep on 2nd October 2014, Administration, UT of Lakshadweep formulated a very brief and comprehensive long term Action Plan on Swachh Lakshadweep Abhiyan.

Abhiyan at Lakshadweep on 2nd October 2014, Administration, UT of Lakshadweep formulated a very brief and comprehensive long term Action Plan on Swachh Lakshadweep Abhiyan.

SWATCHH LAKSHADWEEP ABHIYAN

Annexure J



Annex-I

List of Cities/Towns Covered under AMRUT

Lakshadweep

Kavaratti

S.No.	Amount to be remitted as per Annexure-I	Amount of CL lot which SAP is to be submitted by	Amount of SAP to be submitted on SAP	Settle-UT	ASN IS-938
2	Amounts Paid/Refund	318	318		
3	Autosplit Payment	321.45	321.45	D-10	0.66
4	Assam	36.84	36.84	10.26	66.20
5	Bihar	1.33	1.33	1.33	2.33
6	Chhattisgarh	15.04	15.04	10.28	33.82
7	Chhattisgarh	0.47	0.47	0.47	0.47
8	Gujarat	290.24	290.24	15.04	305.24
9	Jharkhand	3.21	3.21	0.47	3.78
10	Delhi	0.11	0.11	0.11	0.11
11	Goa	226.15	226.15	226.15	226.15
12	Gujarat	20.00	20.00	0.72	20.72
13	Haryana	590.15	590.15	18.26	608.41
14	Himachal Pradesh	219.03	219.03	6.78	225.81
15	Jammu & Kashmir	79.41	79.41	3.46	82.87
16	Jharkhand	159.27	159.27	15.04	174.31
17	Karnataka	156.69	156.69	4.85	161.54
18	Uttarakhand	159.27	159.27	15.04	174.31
19	Lakshadweep	227.95	227.95	8.91	236.86
20	Madhya Pradesh	1003.35	1003.35	31.05	1034.40
21	Maharashtra	725.66	725.66	22.45	758.11
22	Manipur	1003.35	1003.35	31.05	1034.40
23	Meghalaya	46.29	46.29	1.41	47.70
24	Madrasam	20.53	20.53	0.51	21.04
25	Nagaland	36.30	36.30	1.13	37.43
26	Odisha	31.48	31.48	0.97	32.45
27	Puducherry	228.14	228.14	7.04	235.19
28	Punjab	0.59	0.59	0.59	0.59
29	Rajasthan	318.86	318.86	9.87	328.73
30	Sikkim	460.80	460.80	14.26	475.06
31	Tripura	12.09	12.09	0.27	12.36
32	Uttaranchal	42.57	42.57	2.24	44.81
33	Uttar Pradesh	149.60	149.60	1.02	150.62
34	Uttar Pradesh	32.95	32.95	1.41	34.36
35	Uttarakhand	204.75	204.75	4.14	208.89
36	West Bengal	133.68	133.68	5.25	138.93
	Total	3131.27	3131.27	10.31	3202.52

Amount of SAP and Funds to be released to States/UTs as 1st installment