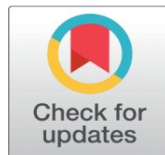


# APPRAISAL OF SHYAMAPRASAD MUKHERJEE RURBAN MISSION, 2016 WITH RESPECT TO MATIED – BHARUCH, INTEGRATED CLUSTER ACTION PLAN (ICAP), GUJARAT

Rajnish V. Bhutoria <sup>1</sup>, Chintan Patel <sup>2</sup>

<sup>1</sup> M. Plan (Urban & Regional Planning) Student, Parul Institute of Architecture & Research, Parul University, Vadodara, Gujarat, India

<sup>2</sup> Professor, Urban & Regional Planning, Parul Institute of Architecture & Research, Parul University, Vadodara, Gujarat, India



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## ABSTRACT

After the end of colonial era, which left the world closely linked, isolated rural hinterlands started to link with communication which gained momentum in 2nd half of twentieth century, wherein newly untied settlements indulged in restoration & reconstruction. Our rural areas ought to be developed into places that are sustainable in terms of social, economic, and environmental aspects, according to the Shyama Prasad Mukherjee Rurban Mission (SPMRM). Through the provision of economic, social, and infrastructure benefits, the Mission aims to strengthen rural communities, resulting in the country's regional development being sustainable and balanced. Its goal is to "create a cluster of Rurban villages" while "developing a cluster of villages that preserve and nurture the essence of rural community life with an emphasis on equity and inclusiveness, yet remain compatible with the facilities perceived to be essentially urban in nature." This study helps to evaluate on-ground coverage of this mission, which will lead to take the desirable strategies for the optimum utilisation of the cluster development, for the further SPMRM future cluster developments.

**Keywords:** Rurban, Integrated Cluster Development, National Rurban Mission, Rural Development, Economic, Spatial & Functional

## 1. INTRODUCTION

The urban agglomeration led by the Growth- centred economies having an Urban Development Authority (UDA) & Policy involved development which is supported by its adjacent undeveloped areas with their migration & submergence into the former due to attractions, needs & helplessness, which leads to the eventual expansion of the urban centre, with the rural people dragged towards it and not so amicable attachment with the society.

Due to spatial, functional & economic transformation of rural hinterlands have led to several problems not only in rural areas but the urban areas too. Rural & adjacent fringe areas face haphazard development due to cheap land grabbing, unregulated activities, etc and they still depend upon urban centres, creating a dynamic inter-dependence, which has many adverse effects.

The expansion of urban centres will lead to more unidirectional setup of Centralized development system which may have the consequent disorder in workability. The urban centres contribute to 60 % of GDP (Gross Domestic

Product), they owe a lot to their rural areas, so there is a need of synergetic developmental approach for the regional development.

Rurbanization is the process of balancing the Transformation process of Urban centres & its contiguous hinterlands. In simple words, “Making Urban spaces more rural & making Rural spaces more urban, and promote a sustainable urban well-being.”

As a result, the Shyama Prasad Mukherjee Rurban Mission (SPMRM) was established in India in 2016 with the goals of promoting local economic development, improving basic services, and building well-planned, sustainable urban clusters. The SPMRM aims to develop 300 Rurban clusters with all necessary urban civic amenities in the next five years, with each cluster consisting of a cluster of Gram panchayats that will be developed as a single, cohesive entity, with approximately 100 clusters developed annually in each of the three phases. This mission endeavours to realize Gandhiji's vision of Gram Swaraj by establishing rural areas as their own republic, "independent of its neighbours for its own vital wants and yet interdependent for many others in which dependence is necessary."

## 1.1. PROBLEM STATEMENT / NEED FOR THE STUDY

The core concern focussed upon is Urban Development led Rural transformation which is at the root cause of all the problems for society like Poverty, Unemployment, lack of basic civic amenities yet the aspiration of its fulfilment, haphazard development in the fringe areas leading to deterioration of the Natural habitats due to absence of proper planning and so on.

## 1.2. AIM

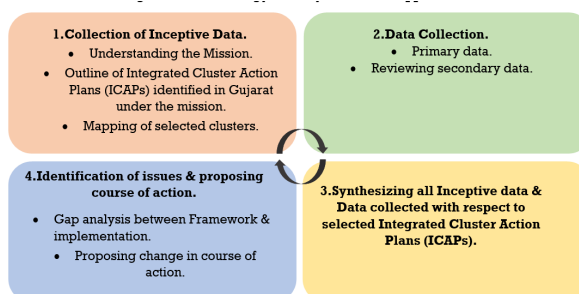
My aim of thesis study is to reinforce the Rural livelihoods in several ways more effectively & the concern from urban hotspots towards its rural and what it can do is to make more natural surroundings within it and yet self-reliant centres with necessary urban amenities (capacity building) & to invoke the synergistic approach of urban towards rural development.

## 1.3. OBJECTIVES

The principal objectives of the study are as follows:

- 1) to evaluate the Shyamaprasad Mukherjee Rurban Mission (SPMRM) through an analysis of the Matied - Ankleswar in Bharuch, Gujarat, Phase III Approved Urban Cluster.
- 2) to research the socio-demographic and spatio-economic characteristics of the cluster;
- 3) to investigate the nature of the functional relationships between the cluster and Bharuch;
- 4) to evaluate the mission-given ongoing development framework, guidelines, and methodologies of Integrated Cluster Action Plans (ICAPs) & Development Project Reports (DPRs) for the case-study area.
- 5) Evaluating potential enhancements to the growth of Rurban clusters by identifying any problems and taking the required steps to address them, as well as by investigating other strategies that might reinforce the intended result.

## 2. METHODOLOGY



## 2.1. MATIED CLUSTER (STUDY AREA) LOCATION.

The site is located in Matied cluster of Anklesvar taluka in Bharuch district.

Bharuch: Oldest city of Gujarat & 2nd oldest city in India located in the southern part of Gujarat Peninsula on the West coast of Gujarat state. The history of Bharuch dates to 8000 years ago, earlier city was a major shipping building centre and sea port in the significant pre-compass coastal trading routes to points west, nearly as far back as the days of the Pharaohs, which utilized the regular and predictable Monsoon winds or galleys.

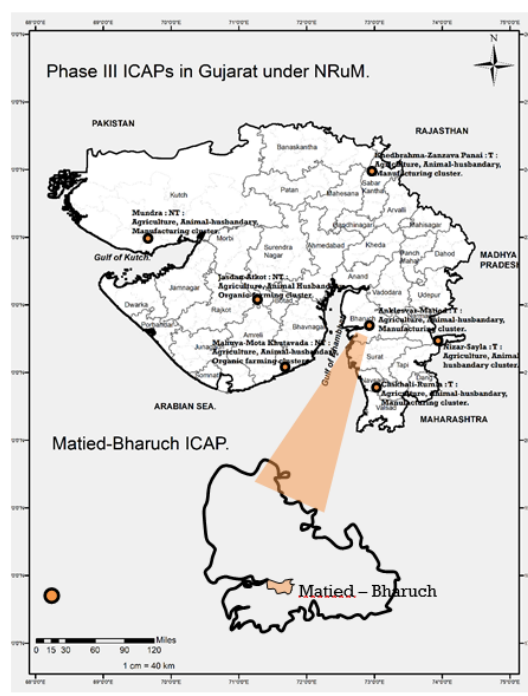
Bharuch was certainly known to the Greeks, the various Persian Empires, the Roman Republic and Empire, and other Western centres of civilization right up until the end of the European Middle Ages, where many goods from the Far East (the famed Spice and Silk trade) were transhipped there for the annual monsoon winds making it a terminus for several key land-sea trade routes.

**Figure 2** India map with Gujarat highlighte



Source Google image

**Figure 3** Gujarat map with Bharuch- Matied Phase III ICAP.



Phase III ICAP clusters.

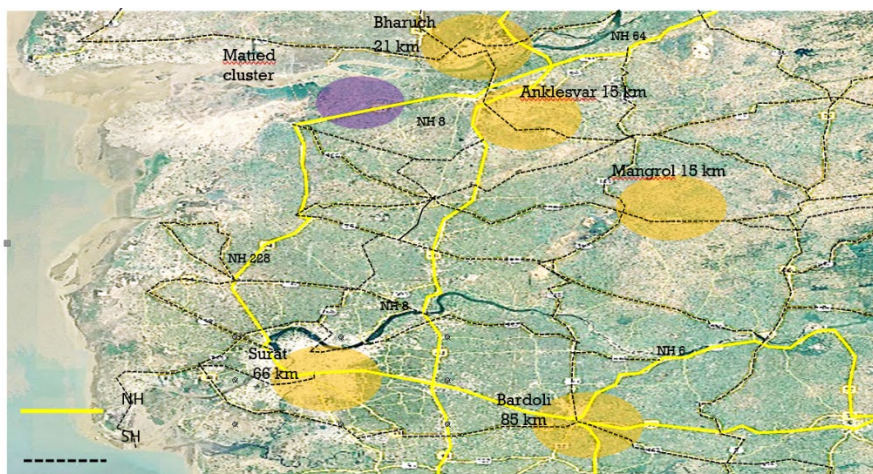
**Table 1** Demographic Facts of Bharuch district.

Geographical location.	Longitude: 72.45° to 73.15° East. Latitude: 21.30° to 22.00° North.
Average rainfall.	800 mm.
Area.	5,253 sq. km.
District headquarters.	Bharuch.
Talukas.	8.
Population.	1.3 million (As per 2001 Census).
Population Density.	261 persons per sq. kms.
Sex ratio.	920 females per 1000 males.
Literacy rate.	74.79%
Languages.	Gujarati, Hindi & English.
Seismic zone.	Zone III.

**Source** (Summit, 2010)

The Matied cluster is located on the southern part of the Gujarat peninsula on the state's west coast, in the Anklesvar taluka of the Bharuch district. Bharuch Taluka borders Anklesvar Taluka on the north, Hansot Taluka borders it on the west, and Zagadia and Valia Taluka border it on the east. There's Anklesvar and Surat nearby. Geographically speaking, the cluster is close to the Gulf of Khambhat, Aaliya Bet, and the Narmada River. The area's location attraction is enhanced by the Matied cluster's close proximity to the area's established industrial estates in Bharuch and Anklesvar, in addition to the DMIC (Delhi Mumbai Industrial Corridor). (CRDF, 2019)

**Figure 4** State Highways & National Highways connectivity around Matied. cluster.



**Source** (CRDF, 2019)

### 3. CONNECTIVITY OF MATIED CLUSTER

Nearest railway station is Anklesvar & railway line passes through cluster. By road, NH64 is well connecting district headquarters Anklesvar 15 kms away and district headquarters Bharuch 37 kms away.

Bus connectivity to nearest towns & cities by Gujarat State Road Transport Corporation (GSRTC). But due to lack of bus connectivity in every village, para-transit modes of transport like auto rickshaw, jeep, etc. are there.

#### 3.1. CHARACTERISTICS OF MATIED CLUSTER

Sajod village is the largest in the cluster, and smaller villages rely on it for essential amenities including the retail market, health care, and economic prospects. 51% of the cluster's population is tribal, and most of them depend on agriculture for their primary sources of income, which include animal husbandry and primary crops including paddy, sugarcane, pigeon peas, castor, and cotton. A significant irrigation supply for the cluster is the Ukai branch canal. Villages in Bharuch supply milk to Dudhdhara dairy under the Amul & Dudhdhara brand. Following three villages in the cluster—Haripura, Sakkarpor, and Pungam—settlement relocation occurred as a result of the 1969–1970 floods. The former settlement location was called Juna (old), and the rehabilitation of said settlement was named Nava (new). These changes

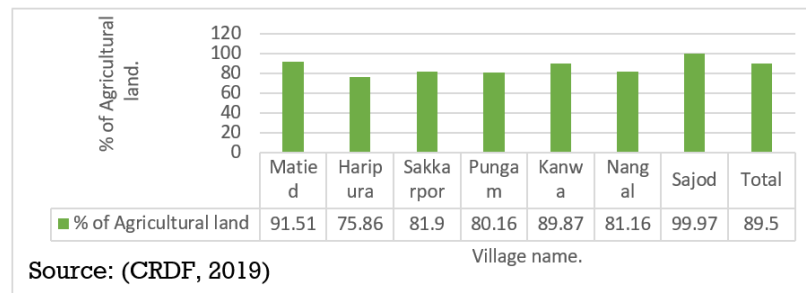
are indicated in following table & map. Sajod village now is inhabited by many settlements including Kanwa, Nangal & the rehab sites of Nava Sakkarpor and Nava Haripura. (CRDF, 2019)

**Table 2** Showing the relocated village settlements of Matied cluster. (Village boundaries as per Census.)

Village Name.	Settlement Name.	Settlement location with respect to village census boundary.	
		Current location of Village settlement.	Other settlement in same census boundary.
Matied.	Matied.	Matied.	- Nava Dhanturiya - Mothiya. - Sarthan.
Haripura.	-Juna Haripura. - Nava Haripura.	Outside Cluster Boundary. Sajod.	
Sakkarpor.	-Juna Sakkarpor. -Nava Sakkarpor.	Outside Cluster Boundary. Sajod.	
Pungam.	-Juna Pungam. -Nava Pungam.	Sakkarpor. Pungam.	
Kanwa.	Kanwa.	Sajod.	-Hajat.
Nangal.	Nangal.	Sajod.	-Adol.
Sajod.	Sajod.	Sajod.	-Nava Tariya.

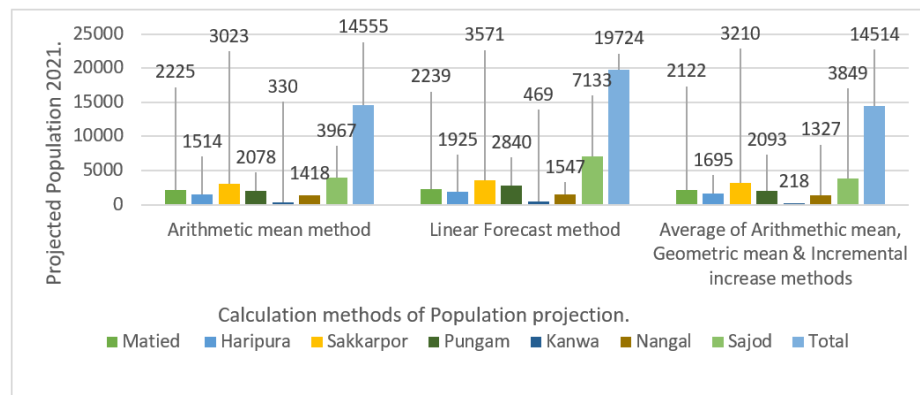
Source (CRDF, 2019)

**Figure 5** Percentage of Agricultural land in villages of Matied cluster.



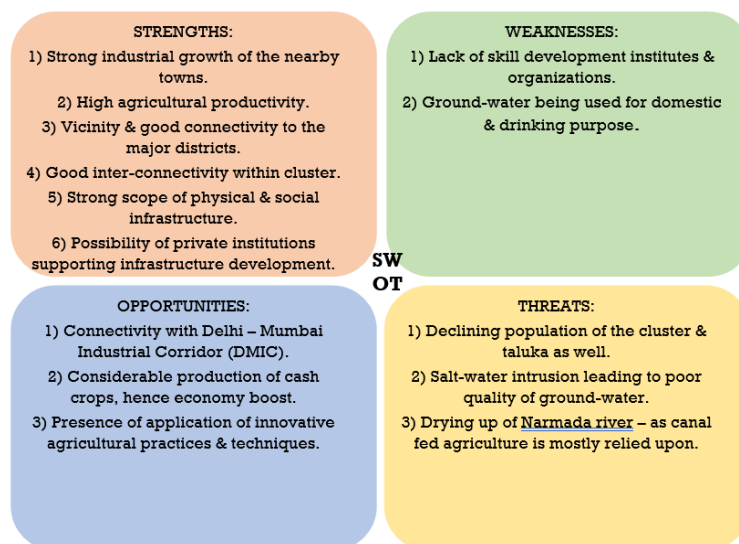
Population projection 2021 in villages of Matied cluster, by Arithmetic mean, Linear forecast & Average of Arithmetic mean, Geometric mean & Incremental increase method.

**Figure 6** Population Projection for 2021 of the 7 villages within Matied cluster.



SWOT Analysis as per Integrated Cluster Action Plan (ICAP) of Matied.



**Figure 7** SWOT Analysis of Matied cluster as per Shyamaprasad Mukherjee Rurban Mission (ICAP) Report.

#### 4. PRIMARY DATA COLLECTION FROM FIELD VISIT & ANALYSIS

Current status of projects under SPMRM.

**Table 3** Current status of projects under SPMRM of Matied cluster.

Project name.		(1) Provision of School Infrastructure. (Sanitation, Water, Computer lab, Library.)	(2) Provision of New High School. (Sajod)	(3) Model Aanganwadi (16 Upgradation & 5 new).	(4) Smart Class (Gyankunj).	(5) Provision of E-governance Center.
Implementation Agency.		District Primary Education Officer (DPEO), Sarva Shiksha Abhiyan.	District Education Officer (DEO), Sarva Shiksha Abhiyan.	<u>New 5:</u> Road & Buildings Department (R&B Panchayat) & <u>Upgradation 16:</u> Taluka Development Officer (TDO), Anklesvar.	District Primary Education Officer (DPEO), Sarva Shiksha Abhiyan.	Road & Buildings Department (R&B Panchayat).
Approved Amount. (In Lakh Rupees)		<u>Total: 153.40.</u> Converge. 6.90. CGF: 146.50.	64.40	80.00	7.50	32.00
<i>Note: Approved amount consists of either or both of Fund allocated from convergence of various Government schemes &amp; Critical Gap Fund (CGF).</i>						
Grant Release (In Lakh Rupees)		146.50	61.00	10.00	7.50	22.10
Expenditure (in Lakh Rupees)		146.50	61.00	10.00	7.50	22.10
Status		Completed	Completed	On - going	Completed	Completed
Village wise Implementation of all Projects	Matied	✓		✓		✓
	Sajod		✓	✓		✓
	Haripura	✓		✓	✓	✓
	Pungam	✓		✓	✓	✓
	Nangal			✓		✓
	Kanwa			✓		✓
	Sakkarpor	✓		✓	✓	✓

Remarks: for Model Aanganwadi project: 5 New Aanganwadi: 3 completed (Sajod, Matied & Haripura), 2 Dropped (Sajod, Sakkarpor). 16 Upgradation Aanganwadi: Work is already started.

**Source** collected from SPMRM Dept, DRDA office, Bharuch & compiled.

**Table 4** Current status of projects under SPMRM of Matied cluster. (Continue)

Project name.		(6) Provision of LED Street Light.	(7) Provision of Solar Rooftop.	(8) Addition of New-building for training institute.	(9) Mahila Kaushal Kendra.	(10) Reconstruction of Dilapidated School Building.
Implementation Agency		Taluka Developm-ent Officer (TDO), Anklesvar	Road & Buildings Departme-nt (R&B Panchayat).	Road & Buildings Departme-nt (R&B Panchayat).	Road & Buildings Departme-nt (R&B Panchayat).	District Primary Education Officer (DPEO), Sarva Shiksha Abhiyan.
Approved Amount (In Lakh Rupees)		24.00	<u>Total: 736.00.</u> Converge 600.00 CGF: 136.00	38.80	37.00	<u>Total: 360.70</u> Converge. 180.00 CGF: 180.70
Grant Release (In Lakh Rupees)		5.0625	-	28.26317	24.31	80.70
Expenditure (in Lakh Rupees)		5.0625	-	28.26317	24.31	80.70
Status		On - going	Dropped	Completed	Completed	On - going
Village wise Implementation of all Projects.	Matied	✓				
	Sajod	✓		✓	✓	
	Haripura	✓				
	Pungam	✓				
	Nangal	✓				✓
	Kanwa	✓				
	Sakkarpor	✓				✓
Remarks:		Completed in Kanwa & Matied.  Remaining in Sajod, Haripura, Pungam, Nangal & Sakkarpor is already started.	Provision was decided in all 7 villages but project is dropped.			In both Juna Sakkarpor and Nava Sakkarpor & Nangal.  Juna Sakkarpor: Secondary 1 <sup>st</sup> floor plaster work is on-going.  Nava-Sakkarpor & Nangal projects will be dropped.

**Source** collected from SPMRM Dept, DRDA office, Bharuch & compiled.

**Table 5** Current status of projects under SPMRM of Matied cluster. (Continue)

Project name.		(11) Provision of Primary School.	(12) Provision of PHC Wellness Center, Sajod.	(13) Sewerage Line in 5 villages.	(14) Health Equipment.	(15) Working Women Hostel.	Total.
Implementation Agency.		District Primary Education Officer (DPEO), Sarva Shiksha Abhiyan.	Health Department.	Road & Buildings Department (R&B Panchayat).	Health Department.	Road & Buildings Department (R&B Panchayat).	
Approved Amount (In Lakh Rupees)		123.90	9.06	160.00	93.50	352.00	
Grant Release (In Lakh Rupees)		114.00	8.52838	67.50	-	-	575.46405 <u>Total Grant:</u> 629.62
Expenditure (in Lakh Rupees)		114.00	8.52838	67.50	-	-	494.76405
Status		Completed	Completed	Completed	Yet to start. (Dropped)	Yet to start. (Dropped)	85.97%
Village wise Implementation of all Projects.	Matied			✓			
	Sajod	✓	✓	✓			
	Haripura	✓		✓			
	Pungam	✓		✓			
	Nangal			✓			
	Kanwa	✓					
Sakkarpor							
Remarks:							
For (13): Completed: Haripura, Nangal & Matied. Dropped: Sajod & Pungam.							
For (14): Planned in 3 villages: Sajod, Sakkarpor & Matied.							
For (15): Planned in Sajod village only.							
Completed (09): Project No. 1, 2, 4, 5, 8, 9, 11, 12, 13.							
On-going (03): Project No. 3, 6, 10.							
Yet to start/Dropped (03): Project No. 7, 14, 15.							

## 4.2. REASONS OF CANCELLATION OF APPROVED PROJECTS UNDER SPMRM.

Project Nos. in SPMRM which are not considered: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34, 39, 40 & 41. (As per specified in SPMRM website).

**Table 6** Reasons for cancellation of approved projects under SPMRM of Matied cluster.

Sr. No.	Project Name.	Reason of cancellation under SPMRM governance.
1	Building/Renovating water bodies (canal, well, pond, etc.)	As it is already been funded & will be implemented by WASMO so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
2	Improvement to water Tank for storage.	As it is already been funded & will be implemented by WASMO so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
3	Work of distribution pipeline & Household-tap connection.	As it is already been funded & will be implemented by WASMO under “Nal se Jal” so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
4	Plantation of fruits & other crops.	As it will be done under MGNREGA Dept. & also not in so priority considering other proposals of training institute, Mahila Kaushal kendra, school redevelopment, etc. & also having more cost of O&M with less beneficiaries.
5	Agri. Processing units (Flour, pulses, vegetables, fruits, honey, etc.)	As it will be done under MGNREGA Dept. & also not in so priority considering other proposals of training institute, Mahila Kaushal kendra, school redevelopment, etc. & also having more cost of O&M with less beneficiaries.



6	Work of Providing laying bore submersible pump-motor. (Agriculture equipment)	As it will be done under MGNREGA Dept. & also not in so priority considering other proposals of training institute, Mahila Kaushal kendra, school redevelopment, etc. & also having more cost of O&M with less beneficiaries.
7	Krusha Sahay package. (Agriculture equipment)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so wouldn't consider it.
8	Krusha Rahat package. (Agriculture equipment)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so would not consider it.

**Table 7** Reasons for cancellation of approved projects under SPMRM of Matied cluster (Continue).

Sr. No.	Project Name.	Reason of cancellation under SPMRM governance.
9	PM Kisan. (Agriculture equipment)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so wouldn't consider it.
10	Agro service provider (Agriculture equipment)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so wouldn't consider it.
11	Gauchar. (Animal husbandry)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so wouldn't consider it.
12	Cattle shed. (Animal husbandry)	As it will be done by Agriculture Dept., Jilla panchayat funded by Ministry of Agriculture Dept., so wouldn't consider it.
13	Clean forest road sites. (Beautification of tourism sites)	Cancelled as tourism is less likely to happen where basic infrastructure is yet to be uplifted & would be useless to do them against the priorities.
14	Providing toilet facilities in public places. (Bus stop, market, other identified places)	As it is already been funded & will be implemented by SBM so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
15	Pond development. (Social activity work)	Seasonal benefits of the project with more cost of O&M & less beneficiaries so irrelevant & cancelled with priorities of other necessary projects within NRuM budget.
16	PMAY. (Houses under central/state run schemes)	As it is already been funded & will be implemented by PMAY Dept., so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
17	Kas safai. (Construction/renovation of street with or without drains)	As it will be done under MGNREGA Dept. & so wouldn't consider it.
18	Providing high tension pole. (Electricity lines/poles laying for intra village street light)	As it is already been funded & will be implemented by DGVCL of GEB., so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.

**Source** (SPMRM Dept. town planner, 2023)**Table 8** Reasons for cancellation of approved projects under SPMRM of Matied cluster (Continue)

Sr. No.	Project Name.	Reason of cancellation under SPMRM governance.
19	Provision of solar/LED/Mast lights on streets.	As it is already been funded & will be implemented by DGVCL of GEB., so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget.
20	Construction of compound wall. (Crash barrier.)	Unnecessary & irrelevant as not needed in a village. (No match of topography & geography.)
21	Construction / upgradation of pedestal footpaths on inter village roads. (Precast block, pavers)	Unnecessary & irrelevant as not needed in a village. (No match of topography & geography.)
22	Construction / upgradation of inter-village roads of cement concrete roads. (BT/ interlocked/cc)	As it will be done under MGNREGA Dept. & so wouldn't consider it.
23	Construction / upgradation of inter-village roads of Mati metal roads. (BT/ interlocked/cc)	As it will be done under MGNREGA Dept. & so wouldn't consider it.
24	Construction / upgradation of inter-village roads of ATVT scheme. (BT/ interlocked/cc)	As it will be covered under the scheme of "Apno taluka, Vibrant Taluka", so wouldn't consider it among the priorities within NRuM budget.

25	Construction of chambers/manholes for sewerage system development & reparation.	As it is already been funded & will be implemented by WASMO so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget & skipped sewage works in 2 villages also of Sakkarpor & Kanwa due to budgetary limits & priorities.
26	Provision of solar rooftop 1200 KW & all Govt. building in village 300 KW.	As it is already been funded & will be implemented by DGVCL of GEB., so DDO will not fund for this project & will consider the project which are at more priority as a necessity from NRuM budget. ( Less beneficiaries & more cost include O&M also.)
27	Health equipment. (Medical equipment & machinery)	Dropped as decided during Corona in 2020 but during implementation stage in 2021, lockdown was removed and the need was no longer was existed, so cancelled.

**Source** (SPMRM Dept. town planner, 2023)

**Table 9** Reasons for cancellation of approved projects under SPMRM of Matied cluster (Continue).

28	Provision of school infrastructure. (Sanitation, computer lab, library)	Dropped from 3 villages of Sajod, Nangal & Kanwa due to budgetary issues & priorities.
29	Reconstruction of Dilapidated school building.	Postponed in villages of Kanwa, Pungam & Sajod due to priorities & budgetary issues.

**Source** (SPMRM Dept. town planner, 2023)

### **Apart from all this:**

Some projects that were prioritised & taken into account which were not approved in SPMRM website are as follows: E-governance centre & CSC done in all 7 villages, Provision of primary school in Haripura & Pungam and Working women hostel in Sajod decided but dropped.

## **4.3. IDENTIFICATION OF ISSUES**

### **1) Management or governance issues**

Issues with implementation of some projects requiring scheme convergence under other working Centrally sponsored & State sponsored schemes like MGNREGA, WASMO, SBM, GEB, Agricultural Dept. due to governing issues, scale of projects or the limited budgetary issues from CGF provision amongst the applicable Scheme Developmental Departments & the SPMRM Dept. As a result, such projects face a setback and are not implemented in a consultative, inclusive & time-bound manner. Some of the above cancelled projects need a longer time to plan, co-ordinate and execute & some projects are less relevant at this very initial stage of development but certain projects have a necessity like Agricultural related projects, household tap connections, high tension pole for intra village road connectivity.

Maybe the whole implementation of SPMRM project could be made more efficient by the involvement of PPP & also the scope but due to smaller scale of project, it is not likely promoted & just undertaken by the Government bodies at different level so the functioning isn't very perfect & there are financial deficiencies too limiting the scope of cluster developmental needs.

### **2) Economic issues**

No time-bound manner of project implementation due to lack of timely grant of finance upon the phases of project.

### **3) Social issues**

Public is not fully aware about their rights & the Framework of implementation of the SPMRM, due to which may be necessary suggestive ideas aren't taken from the general public being the ultimate beneficiary of the project. In other words, there is a need of more transparency with understanding village inhabitants, as it was observed in site that people know that what facilities are being provided to them, but not everyone knew that what SPMRM provides or what they are bound to be beneficial projects from SPMRM.

#### 4.4. OVERALL FINDINGS FROM EXISTING – SITUATION ANALYSIS.

Though due to some of the projects dropped with respect to the priority of different projects & need of the cluster, limited CGF to implement projects some important projects might need a longer time to plan & implement by the development schemes, but some very important projects have been implemented and they are mitigating some issues of the cluster. However, some important projects face a setback.

The mission lays the foundation of the cluster development to remove the paucity of the very grass-root basic needs that are non-existent like schools, Aanganwadis, E-governance center, LED streetlight, sewerage lines, inter - roads development, toilets and so on. The executed projects have improved the lifestyle of the village inhabitants, just need to get 100% efficient coverage.

Of the projects that are implemented, people are more satisfied with projects of E-governance center, LED streetlight, CHC health & wellness center & sewerage while few projects either due to not in functional state, incompetency of project to fulfil the need, lacking of basic facilities in that project or unaware much about the facility to be a beneficiary, some projects have low satisfaction level like Aanganwadi, training institute, Mahila Kaushal kendra, and sewerage lines. People are seen to be aware about the availability of the various projects benefits but they aren't are fully aware about which project benefit is being catered by which scheme, what other projects benefits they are entitled to get from SPMRM. Hence, there is a need of more awareness & participation of public in the implementation of village projects & cluster development.

There is yet a lot of basic needs of the cluster to be fulfilled like HHs drinking water pipeline, Solid waste management, water tank storage, Agriculture based projects since it's the type of cluster, high tension pole, road developments & proper bus-rickshaw stand, LED streetlight on main roads, internet wi-fi connectivity and in order to make the cluster self-reliant and upon the path of development. The development status is yet uplifting the social infrastructure of the cluster though not completely.

#### 5. CONCLUSION

There is a need of utmost transparency & co-ordination and timely monitoring for effective execution for the respective cluster developments, at all 4 levels namely:

- 1) National level: National Mission management Unit (NMMU),
- 2) State level: State Nodal Agency (SNA), under them State Project Management Unit (SPMU) & State Technical Support Agencies.
- 3) District level: District Project Management Unit (DPMU) &
- 4) Cluster level: Cluster Development & Management unit (CDMU).

And the implementing agencies & all concerned executor Depts, beneficiary village inhabitant representatives at the broad levels of State, district & cluster management level to ensure well time-bound & integrated execution and resultantly Ideal cluster development.

The projects which directly affect the nature of the cluster (For matied: Agriculture, animal husbandry & manufacturing cluster) should be implemented, co-ordinated & monitored with respective agencies until they are executed in time-frame, for example., For agriculture, Agri processing centres, Agriculture equipment and Agriculture grants., For Animal husbandry, gauchar land, household tap connections, High tension pole for intra- village road connectivity, Water treatment plant, Solid waste management system, etc are essential for cluster development.

Owing to the transparency in cluster development at all levels & parties, necessary financial & necessary technical support to be provided by State or district level to cluster level. If needed large scale spatial plans to be made for the transformation of regional areas to increase the scale of project & thereby involvement of Private agencies with overall development. This transparency will also help in making village inhabitants aware about their developmental schemes & agenda, which can further be strengthened by digital literacy catering at household level.

Advanced mode of sustainable technologies to be utilised & inculcate for full working plan of Spatial development like GIS, Land use planning integration, etc. with adjacent region & nearby cities of clusters.

This mission has indeed given an effective forestep, for the Rurban development of cluster of villages which will initiate Planned development with the adjacent region & cities.

## CONFLICT OF INTERESTS

None.

## ACKNOWLEDGMENTS

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