

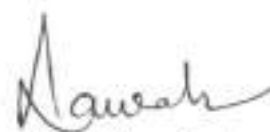
F. No. 6-1/2017-EE.14(Vol-I)
Government of India
Ministry of Human Resource Development
Department of School Education & Literacy
EE.14 Section

New Delhi, dated 19th May, 2017

Subject: Sarva Shiksha Abhiyan (SSA) - 255th Meeting of the Project Approval Board (PAB) held on 03.04.2017 for NIC for the Financial Year 2017-18 - Circulation of Minutes.

The 255th Meeting of the Project Approval Board of SSA was held on 03.04.2017 under the chairmanship of Secretary (SE&L) in Conference Room No. 112, C Wing, Shastri Bhawan, New Delhi to consider the Annual Work Plan & Budget (AWP&B) of NIC for SSA Scheme for the State during the year 2017-18.

2. A copy of minutes in respect of NIC for SSA is enclosed.



(Alok Jawahar)

Under Secretary to the Government India

Tel. No. 011- 23381095

Email: ee14.edu@gmail.com

To

1. Ms. Leena Nair,
Secretary, Ministry of W & C.D.
2. Smt. M. Sathiyavathy,
Secretary, Ministry of Labour & Employment.
3. Shri G. Latha Krishna Rao,
Secretary, Ministry of Social Justice & Empowerment, New Delhi.
4. Shri Anoop Kumar Srivastava,
Secretary, Ministry of Tribal Affairs.
5. Shri Parameswaran Iyer,
Secretary, Ministry of Drinking Water & Sanitation,
6. Shri Ameising Luikham,
Secretary, Ministry of Minority Affairs.
7. Shri N. S. Kang,
Secretary, Department of Disability Affairs, Ministry of Social Justice & Empowerment.
8. Ms. Alka Tiwari
Adviser (Education), Niti Aayog.

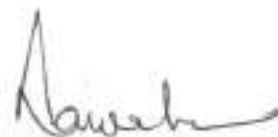
9. Prof. Hrushikesh Senapaty,
Director, NCERT.
10. Prof. J.B.G. Tilak,
Vice Chancellor, NUEPA.
11. Chairperson,
NCTE, Hans Bhawan, Wing II, 1 Bahadur Shah Zafar Marg, New Delhi - 110002.
12. Prof. M. Aslam,
Vice Chancellor, IGNOU, Maidan Garhi, New Delhi.
13. Member Secretary, NCPCR,
5th floor, Chanderlok Building, Janpath, New Delhi - 110001.
14. Ms. Darshana M. Dabral,
JS & FA, MHRD.
15. Shri Saba Akhtar,
Scientist-D, NIC.
16. Shri Anshul Kumar Aggarwal,
Sr. Technical Advisor, NIC
17. Shri Vishnu Chandra,
Dy. Director, NIC, CGO Complex, New Delhi.

Copy to:

1. Dir(MJ)/Dir(GCH)/Dir(SJ)/Dir(PM)/DS(AS)
2. US(VKV)/US(MK)/US(AJ)/US(AG)/US(KJS)
3. Dir/DS of RMSA-I, II, III & IV
4. Dir(MDM)
5. Dr. Vardha Nikalje, DEE, NCERT, New Delhi.
6. Prof. Suniti Sanwal, DEE, NCERT, New Delhi.
7. Ms. Sonika Kaushik DEE, NCERT, New Delhi.
8. Ms. Alka Mishra, MIS Unit, TSG-SSA
9. NIC, MHRD for uploading on website.

Copy for information to:-

PPS to Secy (SE&L)
PS to AS(SE)
PS to JS(SSA)



(Alok Jawahar)

Under Secretary to the Government India

Tel. No. 011- 23381095

Email: ee14.edu@gmail.com

Government of India
Ministry of Human Resource Development
(Department of School Education and Literacy)

Minutes of 255th meeting of Project Approval Board (PAB) held on 3rd April, 2017 to consider the Annual Work Plan and Budget (AWP&B) of National Informatics Centre (NIC) under Sarva Shiksha Abhiyan (SSA) for 2017-18.

The 255th meeting of the PAB to consider AWP&B 2017-18 of NIC was held on 3rd April, 2017. List of the participants in the PAB meeting is at Annexure-I.

2. NIC had submitted proposal separately for SSA activities and GIS mapping. Copy of the presentation made by NIC before the PAB is at Annexure-II.
3. PAB advised that NIC should ensure all activities proposed for 2017-18 in a time-bound manner to ensure online monitoring of the SSA activities across the country through Shagun portal. The PAB also asked the NIC to expedite the process of getting coordinates required for GIS mapping of schools in all States and UTs.
4. PAB made following suggestions:
 - NIC should expedite the work relating to Shagun online repository so that separate report for each component under the portal could be generated by September, 2017.
 - Graphical representation of time series data in Shagun will be developed to analyse the growth easily.
 - TSG-SSA will analyse reports on regular interval based on NIC's data/graphs on the portal.
 - NIC will fully take over Shagun Repository in conformity to GoI website. *guidelines*
 - NIC will maintain both Repository and Monitoring part of Shagun website.
 - The data needs to be freezed month-wise, so that trends can be shown for States. The Status of every State needs to be freezed 1st of every month.
 - NIC should ensure the safety and security of the website.
 - As per the decision taken by the department ASMITA will be single window database department for SSA, RMSA, and MDM.
 - To Make the Repository compatible with mobile and making the Shagun website bi-lingual.
 - Web based GIS application development to be carried out by NIC

for GIS mapping of schools in an integrated manner. The Tamil Nadu school GIS mapping of schools method may be adopted/adapted.

- Development of an app for monitoring of progress of civil works including different stages of construction of school buildings etc. in the States and UTs.

5. For 2017-18, NIC has proposed the following requirements and approval was given as indicated:-

(i) SSA Shagun Portal

Sr. No.	Component	Activity	Estimated Cost (In lakh)
1.	Design, Development, Maintenance and Support		
a.	SSA Shagun Portal – Maintenance, Support and Enhancement (Hiring of technical Services and Resources)		
	SSA Shagun Support in Designing Pages for MHRD Events/Website pertaining to Elementary Education	Maintenance, Support, Updation and Enhancement	37.50
	SSA Repository	Restoring backup, configuring, VM Creation, Audit and maintenance, support etc	
b.	SSA Monitoring	Maintenance, Support, Updation and Enhancement	18
2.	Travel and Contingency	-----	05
			60.50
3.	NICSI Administrative Charge @7%		4.25
			64.75
4.	Taxes		
	Service Tax @14%		8.47
	Swachh Bharat Cess @0.5%		0.30
	Kisan kalia Cess @0.5%		0.30
5.	Total		73.82

(ii) Web Based GIS application for School

Sl. No.	School GIS	Duration in Months	Estimated Cost (Rs. in lakhs)
1	Preparation of SRS	2	2.00
2	Application Development and Deployment	10	20.00
3	Data integration and maintenance		3.00
4	Travel & contingencies		2.00
	Total		27.00
	NICSI charges 7%		1.89
	Service Tax @ 14%		2.02
	Swachh Bharat Cess @ 0.5%		0.14
	Krishi kalyan Cess @ 0.5%		0.14
	Grand Total		31.20

(iii) Development of an app

Sl. No.	Activity	Estimated Cost (Rs. in lakh)
1.	Development of an app for monitoring of progress of civil works including different stages of construction of school buildings etc. in the States and UTs.	5.00

Total Approved Estimates for NIC under SSA for the year 2017-18 is as under:

(Rs. in lakh)

Sl. No.	Activities	Total Estimates
1	SSA Shagun	73.82
2	School GIS	31.20
3	Development of an app for monitoring of different stages of construction of school buildings etc. in the States and UTs.	5.00
	TOTAL:	110.02

6. The PAB approved the overall estimate of Rs. 110.02 lakh for carrying out the above activities.

The meeting ended with vote of thanks to the Chair.

ANNEXURE-I

ATTENDANCE LIST

3rd April, 2017

1. Shri Anil Swarup, Secretary, D/o SE&L, MHRD.
2. Mrs. Rina Ray, Additional Secretary, D/o SE&L, MHRD.
3. Shri V. Udaya Kumar Sr. Technical Director, NIC.
4. Shri G.C. Hosur, Dir, MHRD.
5. Shri Alok Jawahar, Under Secretary, MHRD.
6. Shri Saba Akhtar, Scientist-D, NIC.
7. Shri Anshul Kumar Aggarwal, Sr. Technical Director, NIC.
8. Ms. Sangeeta Bhatia, Technical Director, NIC.
9. Ms. Vandana Kapoor, Sr. Consultant (PEDAGOGY), TSG-SSA.
10. Ms. Kiran Dogra, TSG-SSA.
11. Smt. Purabi Pattanayak, Sr. Consultant, TSG-SSA.
12. Mrs. Anamika Mehta, TSG-SSA.
13. Ms. Divya Singh, TSG-SSA.
14. Ms. Ajit Kaur, TSG-SSA.
15. Shri Bibek, NIC.
16. Shri Vikas, NIC.
17. Shri Satya Prakash, TSG-SSA.
18. Dr. R.N. Lenka, Sr. Consultant, TSG-SSA.
19. Shri B.L. Bijlani, TSG-SSA.
20. Shri M.M.S. Uberoi, Sr. Consultant (Civil Works), TSG-SSA.
21. Shri K. Girija Shankar, Senior Consultant (Monitoring SSA).
22. Ms. Shilpa Grewal, TSG-SSA.
23. Shri Praval Sharma, TSG-SSA.
24. Shri S.C. Arora, TSG-SSA.
25. Dr. Anshu, TSG-SSA.
26. Ms. Arti Panchal, TSG-SSA.

Sarva Shiksha Abhiyan

PAB : 2017-18

NIC

30th March, 2 017

Proposal

- 01 SSA Shagun: Enhancement, Maintenance, Support and Updation of SSA Shagun Website and support in designing pages for MHRD events /website pertaining to Elementary Education
 - 02 SSA Repository
 - 03 SSA Monitoring
 - 04 School GIS
-

Proposal

- 01 SSA Shagun: Enhancement, Maintenance, Support and Updation of SSA Shagun Website and support in designing pages for MHRD events /website pertaining to Elementary Education
 - 02 SSA Repository
 - 03 SSA Monitoring
 - 04 School GIS
-

01

SSA Shagun: Enhancement, Maintenance, Support and Updation of SSA Shagun Website and support in designing pages for MHRD events /website pertaining to Elementary Education

4

- SSA Shagun Website
- Support to design pages for MHRD Events pertaining to Elementary Education

Time : 12 Months **Details Project Plan**

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SSA Shagun: Enhancement, Maintenance, Support and Updation of SSA Shagun Website and support in designing pages for MHRD events /website pertaining to Elementary Education

Activity Planned for the FY : 2017-18	
<p>Sr. No.</p> <p>1.</p> <p>SSA Shagun Website – Citizen Interface http://ssashagun.nic.in alias http://ssashagun.gov.in</p>	<p>Maintenance and Support</p> <ul style="list-style-type: none"> • Requirement Gathering • Design of Wireframe • Layout Design • Web pages design • Banners, UI interface • Update of content • Maintenance of an Integrated Website for SSA SHAGUN as per GIGW and Security Audit • Enhancement, New portlet creation and page design • Maintenance and support in designing pages for MHRD events/website pertaining to elementary education
<p>2.</p> <p>Server Maintenance</p>	<ul style="list-style-type: none"> • Maintenance of Virtual machines (VMs) over the NIC Cloud Server, at National data Centre, Shastri park, New Delhi • Update of new Patches of OS, Database and Application Server • Backup

Development, Audit and Migration of old content : 4 Months

12 Months

Maintenance, Support and Enhancement : 8 Months

This will enable States and UT's to share videos, photographs, case studies, testimonials, documents, reports, research studies and other evidence of innovative practices that States and UT's implement. This portal will be a compilation and dissemination of the experience from the field.



A. Creation of Local Environment

- Create the WordPress Environment on local machine
- Configure the Repository Portal
- Run the whole application at local environment
- Application Status detail will be given to Ministry

B. Scope, Vision and Enhancement if any required, Ministry will provide the details
C. Base on the current Status of Portal and Scope of work, NIC will submit proposal (Tentative estimated cost estimate will be submitted)

D. Application Security Audit**E. Production Environment Configuration**

- Take the VM and Configure the hosting environment

E. Domain Name Registration

F. Repository Portal will be launched after obtaining the Security Clearance

G. Maintenance, Support and Enhancement

F. STQC Certification

01-02

Enhancement / Re-design SSA Shagun Portal and Maintenance and Updation SSA Repository

8

Sl. No.	Component	Duration (In months)	Estimated Cost (In Lakhs)
1.	Enhancement/Redesign of SSA Shagun portal and support in designing pages for MHRD events pertaining to Elementary Education	12	11
2.	SSA Repository Configuration, Maintenance and Support		15
3.	UI Design Level Support		
	Design Template/User Interface/Write CSS/Design banner/ Support to MHRD	12	09
3.	Application Security Audit, STQC (Third Part)		2.50
Total Amount			37.50

Note : In case of major changes / enhancement a separate proposal will be submitted after the assessment of work



Online Monitoring will capture the progress in implementation. Regular updates of progress will be available through dashboards to the Ministry and States for internal monitoring. Some reports would also be available in the public domain



03 SSA Monitoring - Scope of Work : 2017-18

Sr. No.	Component	Activity Planned for the FY : 2017-18
1.	SSA Monitoring - Stakeholder	<ul style="list-style-type: none">• Maintenance Support and Enhancement
2.		<p>Application Maintenance, Support and Enhancement</p> <ul style="list-style-type: none">• On-site maintenance and support to Ministry, States and TSG• Stakeholder User Management Module• Stakeholder Wise Audit Trail• Creation of Separate Module for School Wise KGBV• Incorporation of District level AWP & B Module• Citizen Level Sharing of Reports• Incorporation of various change request from Ministry• Separate section to capture details of “Workshops” undertaken National, States and TSG levels• Support given to TSG in converting all the States and Districts level AWP & B <p>MIS Reports and Dashboard</p> <ul style="list-style-type: none">• State and District wise AWP & B based Component wise reports• Dashboard based Reports• Component wise audio / videos / success stories based reports• State wise, districts wise and component physical and financial achievement reports etc

03 SSA Monitoring - Scope of Work : 2017-18

Sr. No.	Component	Activity Planned for the FY : 2016-17
2.	Application Support	<ul style="list-style-type: none">• Provide On-Site support of application• Telephonic, Mail support to all States/Districts/TGS• Support of VC facility during the training and PAB
3.	Server Maintenance	<ul style="list-style-type: none">• Maintenance of Virtual machines (VMs) over the NIC Cloud Server, at National data Centre, Shastri park, New Delhi• Update of new Patches of OS, Database and Application Server• Backup

Note : In case of major enhancement / change, NIC will submit a separate proposal after the assessment of scope of work

SSA Monitoring

Estimated Cost

Sl. No.	Component	Duration (In months)	Estimated Cost (In Lakhs)
1.	Maintenance Support and Enhancement	12	17
2.	Application Security Audit		01
Total Amount			18

Note : In case of any major enhancement, separate proposal will be submitted by NIC after the assessment of Scope of Work

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Financial Estimate

F.Y : 2017-18

13

Sl. No.	Component	Estimated Cost (In Lakhs)
1.	SSA Shagun Portal – Maintenance, Support and Enhancement (Hiring of technical Services and Resources)	
	• SSA Shagun Website Maintenance, Support and Enhancement and Updation	37.50
	• SSA Repository Configuration, Audit and maintenance and support (tentative estimated cost)	
2.	SSA Monitoring	18
3.	Travel & Contingencies	05
	Total	60.5
	NICSI Administrative Charges (@7 %)	4.25
	Service Tax (@ 14%	64.75
	SWB Cess @0.5%	8.47
	Kisan kalyan Cess @0.5%	0.30
		0.30
		73.82

School GIS

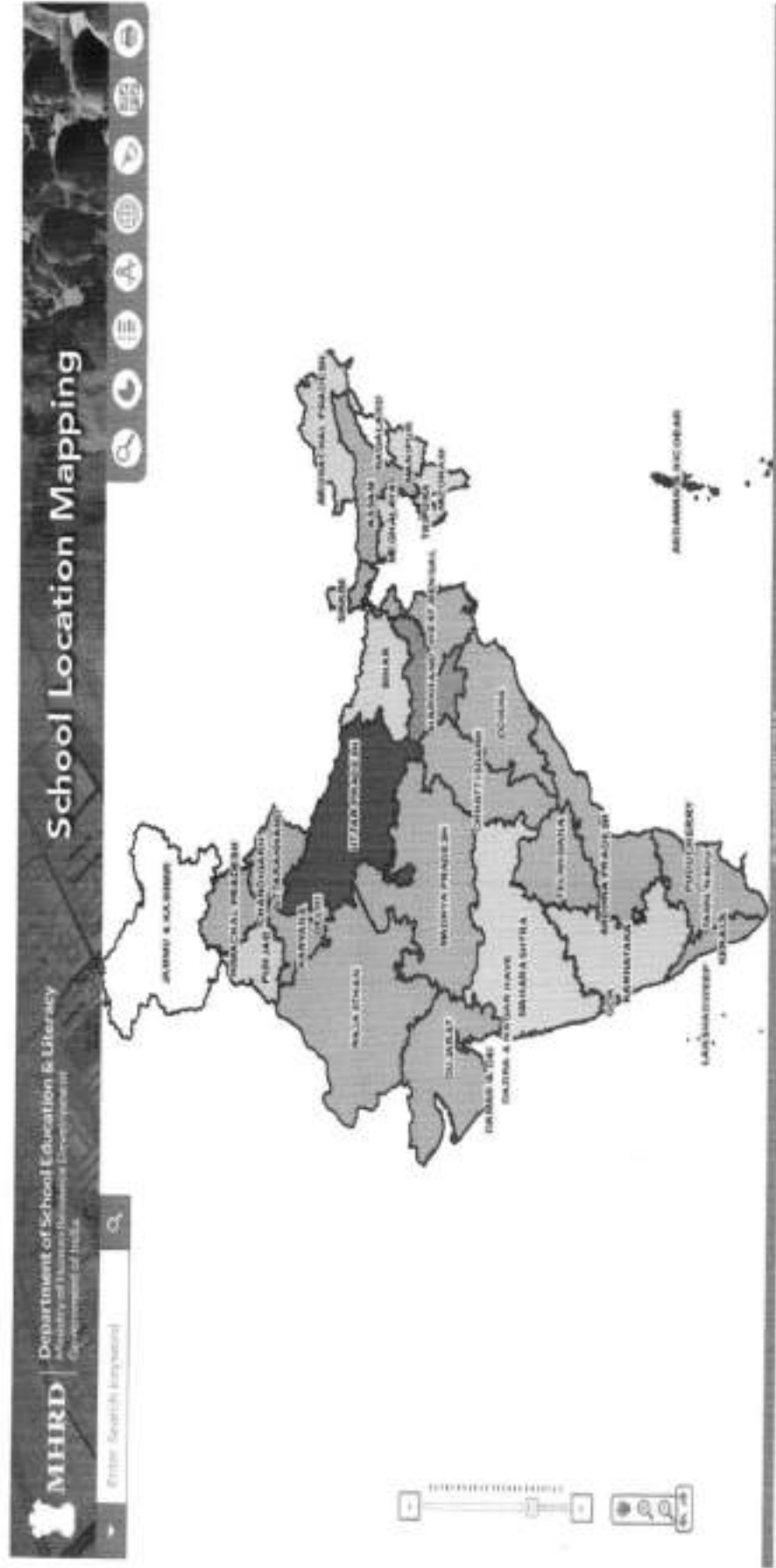
PAB : 2017-18
GIS Division, NIC

30th March, 2017

Objectives

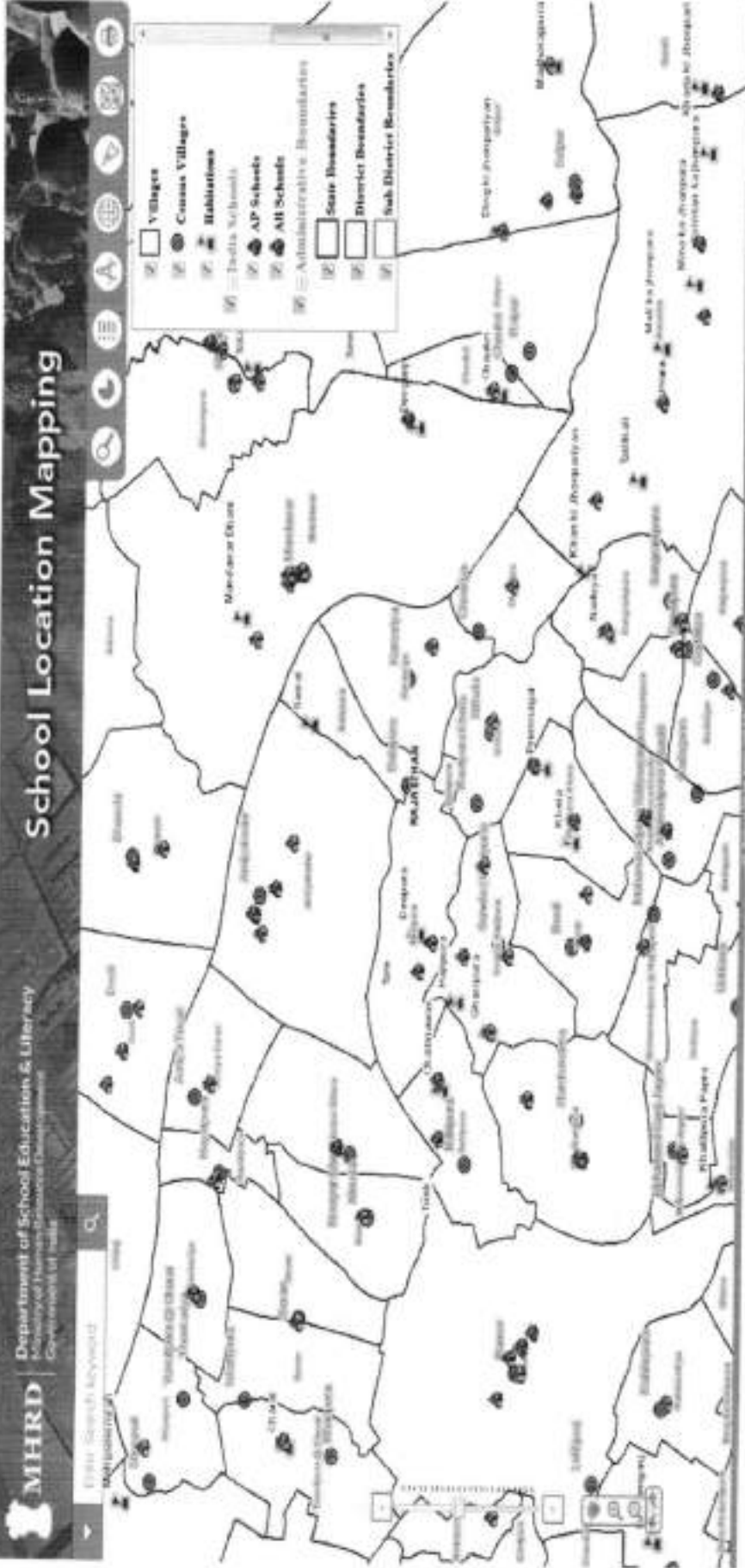
- **The Objectives of the project are as follows:**
 - Develop an Decision support application for School Education department for monitoring various schemes based on MIS already existing/ being developed.
 - Integration of School MIS system with GIS
 - Enhancement and maintenance of School GIS application for citizens.

Snapshots of Current Application



Data Integrated in the Application

- **Spatial Data**
 - State Boundary
 - District Boundary
 - Tehsil Boundary
 - Village Boundary
 - Sub District Hq.
 - District Hq.
 - School Location as a point
- **Base maps – Street map, Topo map and Aerial**
- **Integration with School report card (as a URL link)**



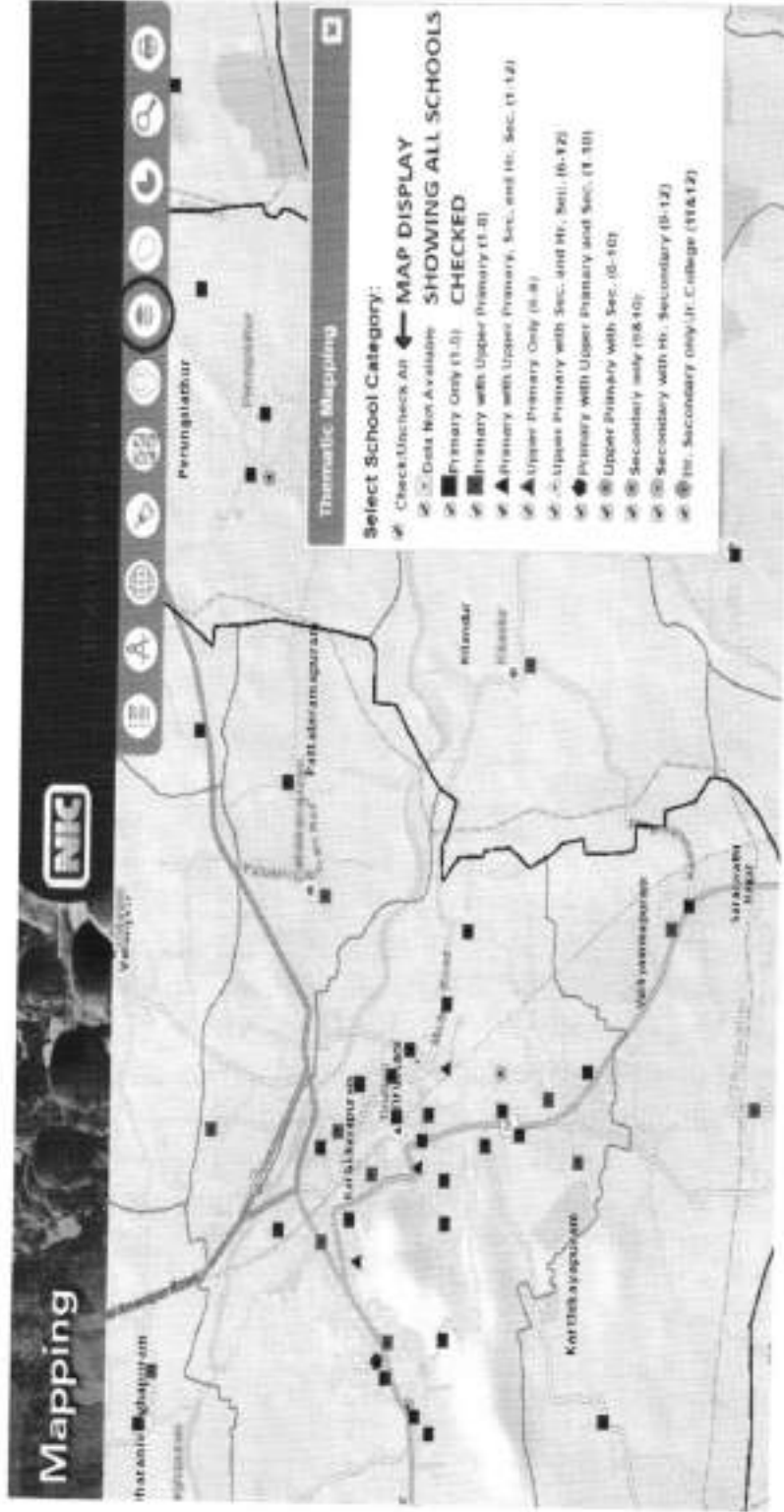
Area of Interest

The screenshot displays a web application titled "School Location Mapping" with the "NIC" logo. The browser's address bar shows the URL "http://www.mhurd.com/". The page header includes the "MHURD" logo and the text "Department of School Board/Board of Education". The main content area features a map of an irregularly shaped area, possibly a school district, with numerous black dots representing school locations. A sidebar on the left contains a search bar and various navigation icons. A dropdown menu is open, showing the following options:

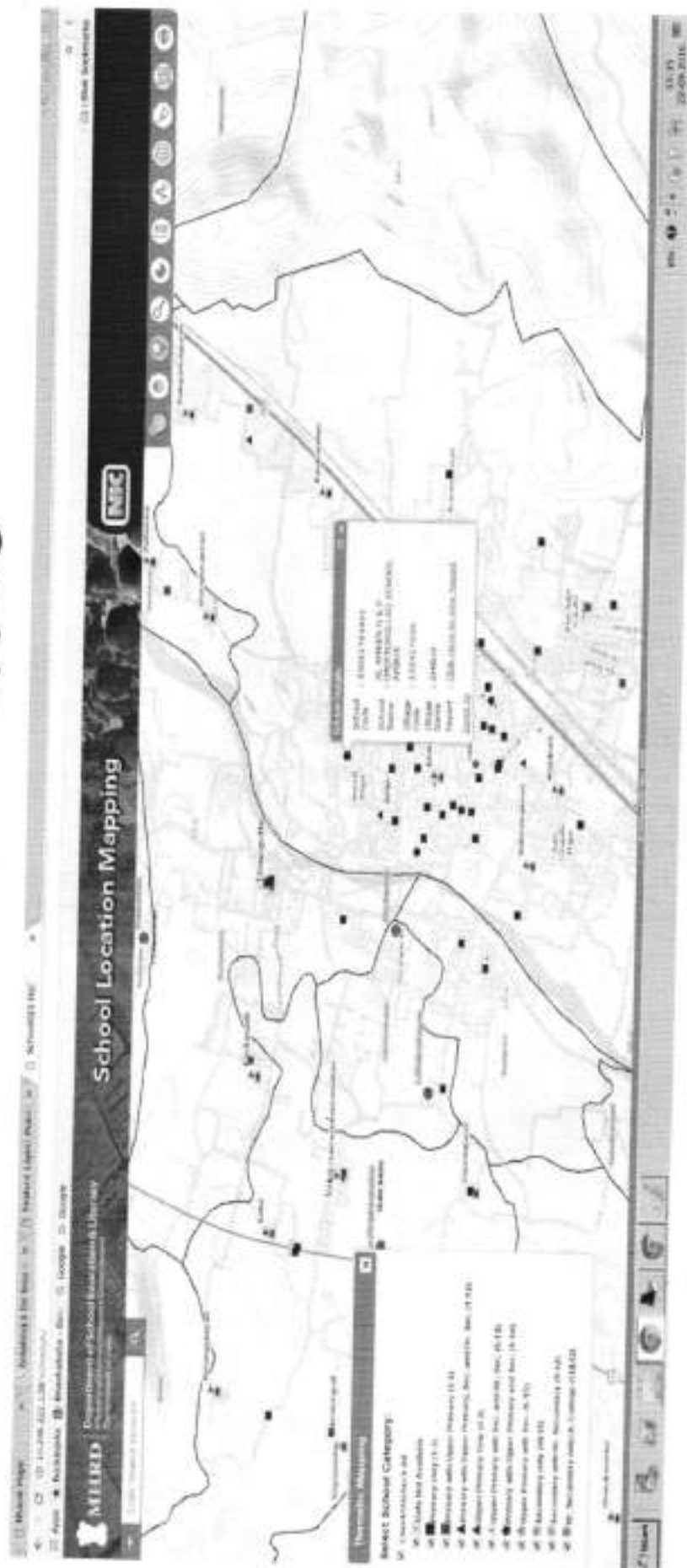
- Select State: DC, HI, IL, IN, MI, MN, MO, NY, OH, PA, RI, TN, VA, WI, WV, KY, NC, SC, MS, AL, GA, FL, HI
- Select District: ...
- Select Sub-District: ...

The browser's status bar at the bottom shows the page title "Area of Interest" and the URL "http://www.mhurd.com/".

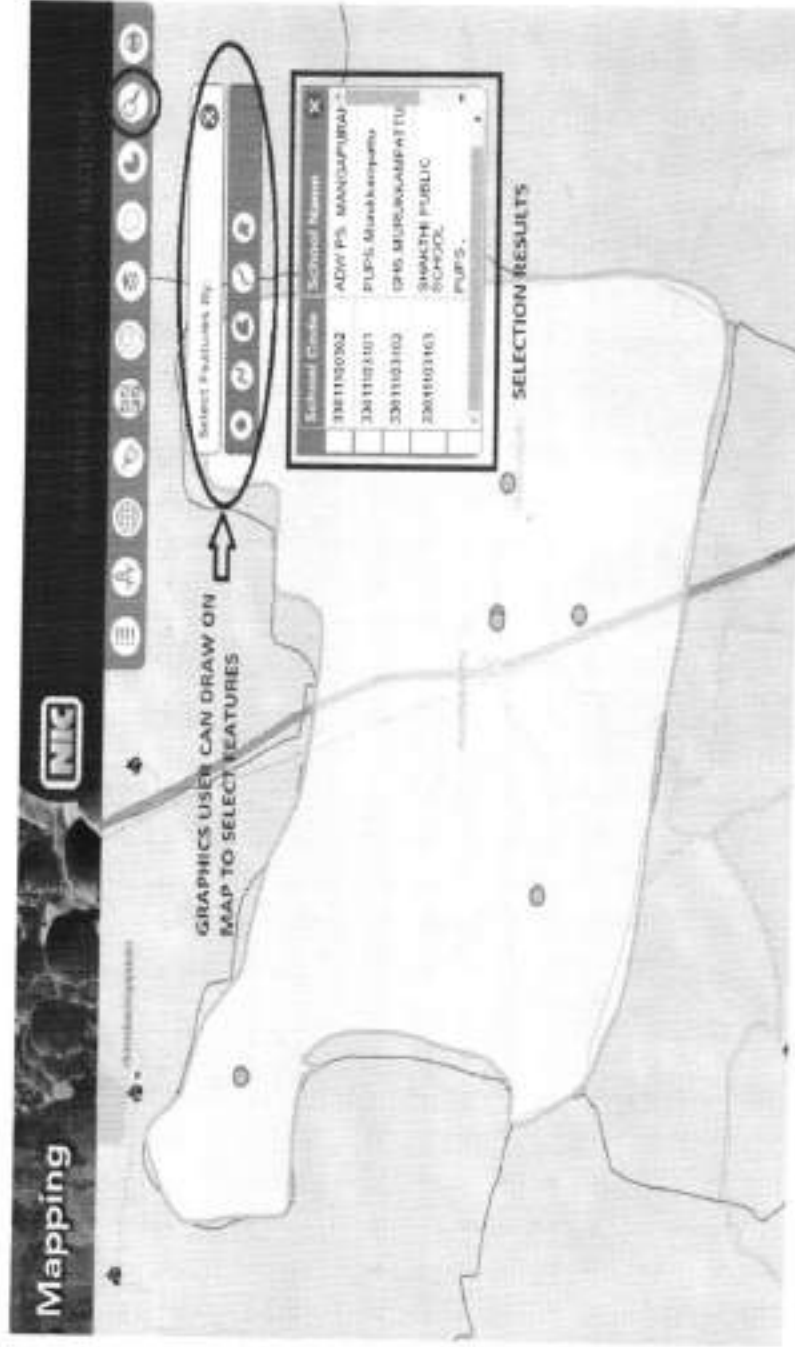
Thematic Mapping



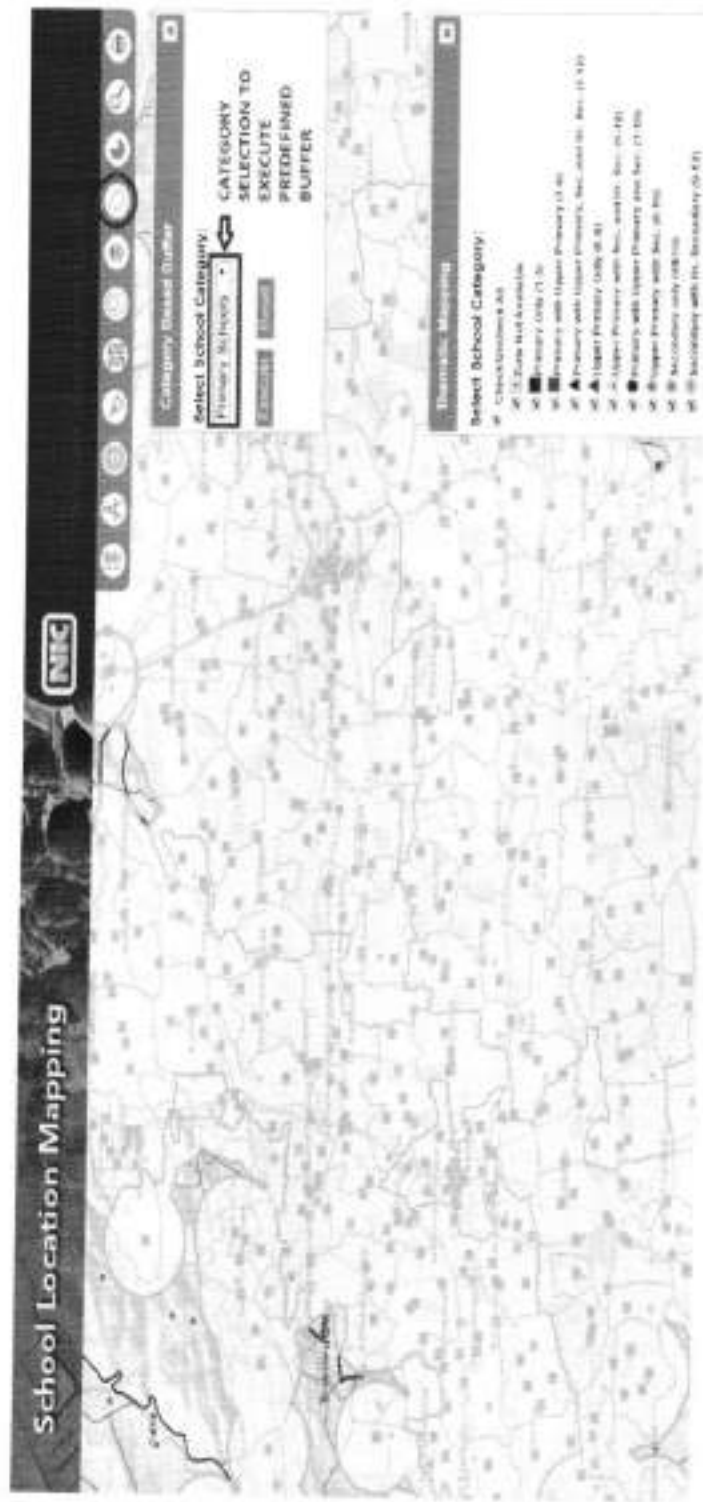
Thematic Mapping



Graphical Selection



Category Buffer with Thematic



Proximity Buffer

The screenshot shows a GIS application interface with a map and a control panel. The control panel includes a toolbar with various icons and a 'BUFFER TOOL DISPLAYING RESULTS' window. The 'BUFFER' window has a 'Buffer Distance' of 2 and 'Select Unit' set to 'Kilometer'. Below this are 'Execute' and 'Refresh' buttons. The 'Buffer Results' window displays a table of schools within the buffer.

Schools Code	Schools Name
3301110302	ADW PS, MANGAPURAM
3301110301	PUMS. D V PURAM
33011103401	PUP'S. MELETTI KLEPPAM
33011103501	PUP'S. C H A/OMAHARAM
33011103701	PUP'S. Muvakampattu
33011103102	GHS. MURUKKAMPATTU
33011103103	SHAKTI PUBLIC SCHOOL
33011103104	PUP'S. MURUGAMPATTU COLONY
33011103201	PUP'S. MELMURUGAMPATTU

Current Status

- About 12.5 lakh School Locations are uploaded to Schoolgis application
- Recently data from UP and J&K has been received (about 1.5 lakh locations).
- Major States where data gaps are there
 - Madhya Pradesh (29818 – Pvt. Schools)
 - Karnataka(21450)
 - Bihar (18701)
 - West Bengal (13457)

Financial Estimate

FY : 2017-18

27

Sl. No.	Component		Estimated Cost (In Lakhs)
Sl. No	Activity	Duration in Months	Cost in Rs.
1	Preparation of SRS	2	200000
2	Application Development and Deployment	10	2000000
3	Data integration and maintenance		300000
4	Travel & contingencies		200000
	Total		2700000
	NICSI charges 7%		189000
	Service Tax @14%		202230
	Swachh Bharat Cess @0.5%		14445
	Krishi kalian Cess @0.5%		14445
	Grand Total		3120120

Financial Estimate

F.Y : 2017-18

28

Sl. No.	Component	Estimated Cost (In Lakhs)
1.	SSA Shagun Portal – Maintenance, Support and Enhancement (Hiring of technical Services and Resources) <ul style="list-style-type: none"> • SSA Shagun • Support in designing pages for MHRD Events/ Website pertaining to Elementary Education • SSA Repository 	37.50
	Maintenance, Support and Enhancement and Updation	
	Configuration, Audit and maintenance and support (tentative estimated cost)	
	SSA Monitoring	18
3.	Travel & Contingencies	05
	Total	60.5
	NICSI Administrative Charges (@7 %)	4.25
	Service Tax (@ 14%	64.75
	SWB Cess @0.5%	8.47
	Kisan kalyan Cess @0.5%	0.30
	SSA Total	0.30
	School GIS Application	73.82
	Total	31.20
		105.02

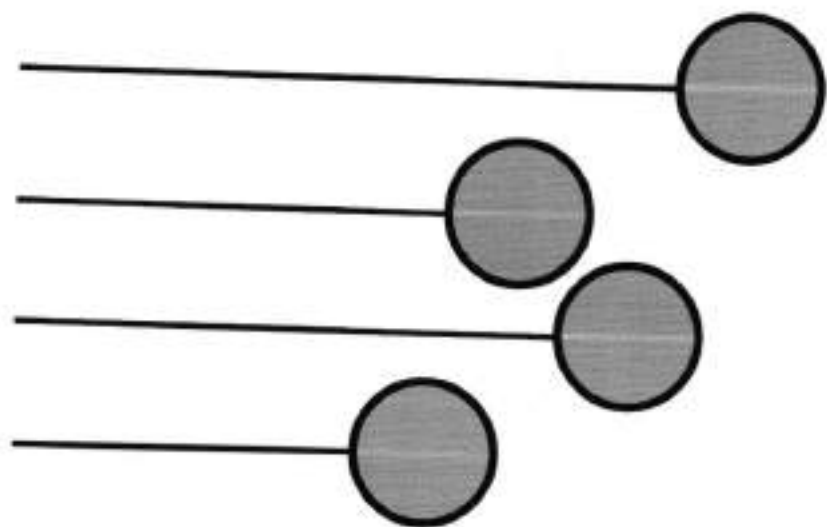
Financial Estimate

Proposed all the applications Design, Development, Support and Maintenance work will be done by NIC through hiring the services / manpower resource from NICSI empanelled vendors as per the GFR.

Accordingly, the estimated project funds Rs. 105.02 Lakhs may kindly be transferred to NICSI, New Delhi as through RTGS/NEFT for the smooth and timely execution of the work

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Thanks



Proposed Application

Item Name	Component	Description
1.	SSA Shagun Portal (GIGW Compliance)	Website to bring content / information together from diverse sources in a uniform way. Each SSA Component gets its dedicated area on the page for displaying information to citizen and one-stop interface for citizen and all stakeholders. The new website is <u>GIGW Compliance and Responsive</u>
2.	SSA Monitoring	States and UT's are funded to implement activities under the different components of SSA. Through this portal, States and UT's will be able to share their progress on physical targets and fund utilization Online Monitoring will capture the progress in implementation. Regular updates of progress will be available through dashboards to the Ministry and States for internal monitoring. Some reports would also be available in the public domain.
3.	SSA Shagun Repository	This will enable States and UT's to share videos, photographs, case studies, testimonials, documents, reports, research studies and other evidence of innovative practices that States and UT's implement. This portal will be a compilation and dissemination of the experience from the field.
4.	School GIS	The scope of the project is to develop a Web based GIS application for HRD ministry for its internal review based on the existing MIS being developed in the ministry and to maintain the citizen centric Website