

QUALITY ASSURANCE IN OFFICIAL STATISTICS

DIRECTORATE OF ECONOMICS AND STATISTICS,
KARNATAKA

QUALITY ASSURANCE IN OFFICIAL STATISTICS

- Principles to be assessed for quality assurance in official statistics;
 - Relevance
 - Accuracy and Reliability
 - Timeliness and punctuality
 - Coherence and Comparability
 - Availability and Clarity

INITIATIVES OF KARNATAKA FOR QUALITY ASSURANCE IN BIRTH AND DEATH STATISTICS

- A web-based application (named e-JanMa) has been developed for registration of Births and Deaths in the state.
- **Stages of implementation**
 - Pilot implementation in one taluk (Anekal taluk of Bangalore Urban District) in the mid of the year 2014.
 - Extended to the whole of rural Karnataka in phased manner (in three phases – last phase from 1st April'2015)
 - Government hospitals of urban areas also started using the application for registration from 1st July'15.
 - 1st April'2018 & 2nd July'2018 onwards Bruhath Bengaluru Mahanagara Palike (BBMP) & Other Urban Local Bodies (ULB's) respectively are using this application.
 - Presently entire state of Karnataka is using this application for registration.

INITIATIVES OF KARNATAKA FOR QUALITY ASSURANCE IN BIRTH AND DEATH STATISTICS

- On implementation of application in the entire state the quality assurance principals has been adhered;
 - Birth and Death registration data is a relevant information for data users and also to implement health programmes by central and state governments and also by NGO's.
 - In ensuring accuracy and quality in registration data, the entire registration machinery has been trained about the application. Since major events occur in hospitals, data will be entered by the hospital authorities and approved by the qualified doctors, accuracy in data is ensured.

INITIATIVES OF KARNATAKA FOR QUALITY ASSURANCE IN BIRTH AND DEATH STATISTICS

- Reports can be taken at any point of time and in any manner, timeliness is ensured.
- Availability of data to the data users is ensured by putting the annual report on the working of Registration of Birth and Death Act 1969 in the Directorate website.
- Since data is available in the Directorate website, it can be compared with the other state data and all India data.
- Unit level data can also be given to the users when ever requested.
 - Recently RGI had directed to give deceased information to the District Electoral office every six months this will be easy in JanMa application when compared to manually registers.



About e-JanMa

INTRODUCTION

- The Registration of birth and death in Karnataka is carried out under the Registration of Birth and Death Act, 1969 & Karnataka Registration of Birth and Death rules, 1999.

Registration Units

- In Rural area all Revenue Villages are notified as Registration Units and all Primary Health Centers & Community Health Centers are Sub-registration Centres.
 - In rural area, there are 31,584 Registration and Sub-registration Units.
- In Urban area, all Urban Local Bodies are Notified as Registration Units and all Government Hospitals in urban area are Sub-registration Centres.
 - In urban area, there are 720 Registration and Sub-registration Units.

INTRODUCTION

Registration Machinery

Sl.N o	Area	Registrars/Sub-Registrars
1	Rural	
	i) Village(each revenue Village) ii) Primary Health Centres/CHC	Village Accountant Medical Officer
2	Urban	
	(i)City Corporations	Health Office
	(ii)City Municipal Councils	Health Officer / Health Inspector
	(iii)Town Municipal Councils	Health Inspector
	(iv) Notified Areas/Project Areas	Health Inspector
(v)CHC/PHC/Dist.Hospitals/Taluk Hospitals	Medical Officer	

Manual Registration procedure.

- Reporting of Birth, Death and Still Birth in the reporting forms (form No. 1, 2 and 3) to Registrar.
- Registrar had to
 - verify the occurrence of the event and register the same.
 - Issue of required number of certificates manually
 - Submission of monthly reports and statistical portion to the Chief Registrar through Tahsildar.
 - Issue of extra copies of the certificates required by the public.
 - Preservation of registration records
 - Authenticating the certificates
- Coding and data entry of Statistical information and preparation of annual reports.

Objectives of the Project

- 'e-JanMa' application is designed with a view of introducing a procedure of issuing the Birth and Death certificates in registration centers in the State, irrespective of the place of registration.
- Generation of the reports at all levels on the working of the Registration of Birth and Death Act.
- It brought transparency in the registration process.
- Electronic preservation of the Birth and Death records.
- Integration of Aadhar enrollment with eJanMa for newborn children at all Govt Health institutions.

Challenges faced in the implementation of e-JanMa:

- Creation of user - id of the Registrars and Sub-registrars as there are 8795 registrars and 2537 Sub-registrars.
- Providing digital signature to all the Registrars and Subregistrars.
- Mapping of Villages to the respective Village Accountant Circle and Nadakacheri.
- Updation and enhancement of the software according to the errors occurred during the pilot implementation.

Challenges faced in the implementation of e-JanMa:

- Provided user-id for Private health institutions to reporting birth and death events to the concerned Registrars.
- Hands on training given around 18000 plus registrar, sub-registrars and data entry operators / case workers on the 'e-JanMa' application.
- Supply of Preprinted stationary to the registration functionaries.

SRS RATES AND EXPECTED EVENTS

SRS Rates	Birth Rate	Death Rate	Expected Births for the year 2018	Expected Deaths for the year 2018	Expected Births per month	Expected Deaths per month
Karnataka	17.3	6.7	1189242	460573	99103	38381

Recording efficiency Statistics

Karnataka	Births	Deaths	Recording Efficiency in eJanMa	
			Births	Deaths
Expected events as per SRS per month	99103	38381		
July	62944	37131	63.51	96.74
Aug	71663	37357	72.31	97.33
Sep	90071	40975	90.89	106.76
Oct	90646	41109	91.47	107.11

eJanMa web application screens

The screenshot shows the home page of the eJanMa web application. The browser address bar displays the URL <https://www.ejanma.karnataka.gov.in>. The page header includes the eJanMa logo, the phone number 1800-425-6578, and navigation links for Home and Contact Us. The main content area is divided into several sections:

- Office of the Chief Registrar of Births and Deaths, Government Of Karnataka:** This section features the state emblem of Karnataka.
- Login:** A blue button with the following options:
 - Birth /Death Verification
 - Vital Statistics Report
 - Application Status
- Highlights:** A dark blue header followed by a list of five points:
 - This site provides details of all Births, Deaths and Still Births electronically registered in Rural Karnataka.
 - The Births, Deaths and Still Births that occurs in rural areas are registered in eJanMa by Village Accountants through Nada Kacheri at Hobli level.
 - The Births, Deaths and Still Births that occurred in the Sub Registration Units (Govt Medical Institutions PHC/CHC) are also registered in eJanMa and Certificates are issued in the Institution itself.
 - For Inclusion of Name of Child in Birth Certificate contact respective Registrars and Sub registrars (Village Accountants and Medical Officers).
 - For Additional Copies of the Birth / Death Certificates and for any Corrections please contact DataEntry Operators of the concerned Nada Kacheri.
 - For Any clarifications contact District Statistical Officer of the concerned District.
- Note:** The URL of eJanMa is <https://www.ejanma.karnataka.gov.in>
- News:** A dark blue header for the news section.
- Documents:** A dark blue header followed by a list of three documents:
 - Act & Rules
 - CRS Manual (English)
 - CRS Manual (Kannada)
- NIC NATIONAL INFORMATICS CENTRE:** Logo for the National Informatics Centre.
- Version:** 1/1.0.0
- Digital India Power To Empower:** Logo for the Digital India initiative.

The bottom of the page shows a taskbar with various application icons and the system clock displaying 11:10 AM.

www.ejanma.karnataka.gov.in - home page

eJanMa web application screens

The screenshot displays the eJanMa web application interface. The left sidebar contains the following elements:

- Logo and contact information: eJanMa, 1800-425-6578
- Office of the Chief Registrar of Births and Deaths, Government Of Karnataka
- Login button
- Birth /Death Verification button
- Vital Statistics Report button
- Application Status button
- NIC NATIONAL INFORMATICS CENTRE logo

The main content area shows search results for a birth certificate:

- Search: Birth
- Registration No.: 803162/B
- Birth Date: 10/04/2018

The right pane shows a PDF of the birth certificate. The header includes the Government of Karnataka logo and the text: "GOVERNMENT OF KARNATAKA ಜನನ ಮತ್ತು ಮರಣಗಳ ಮುಖ್ಯ ರಿಜಿಸ್ಟ್ರಾರರು Chief Registrar of Births and Deaths ಜನನ ಪ್ರಮಾಣ ಪತ್ರ". Below this, it states: "(ಜನನವು 1969ರ 12/17ರ ಅಧಿನಿಯಮ ಮತ್ತು 1999ರ 8/13ರ ಕೆಆರ್‌ಬಿಡಿ ನಿಯಮಗಳಡಿ, 1999ರ ವಿಧಿ 8/13ರ ಮೇರೆಗೆ ಕೊಡಲಾಗಿದೆ) BIRTH CERTIFICATE (Issued Under Section 12/17 of the RBD Act, 1969 and Rule 8/13 of the KRBD Rules, 1999)".

The certificate details are as follows:

ONLY FOR VERIFICATION PURPOSE			
This is to certify that the following information has been taken from the original record of birth which is the register for BBMP (village/town) of taluk of Bengaluru district of Karnataka State			
1) ಹೆಸರು Name	SHAILESH V	2) ಲಿಂಗ Sex	ಗಂಡು Male
3) ಜನನದ ತಾರೀಖು Date of Birth	10/04/2018	4) ಜನನದ ಸ್ಥಳ Place of Birth	RAINBOW CHILDRENS MEDICAR PVT.LTD., BBMP,,Bengaluru,Karnataka 56007
5) ತಾಯಿಯ ಹೆಸರು Name of Mother	RASHMI S	6) ತಂದೆಯ ಹೆಸರು Name of Father	VISHWANATH K
7) ಮಗುವಿನ ಜನನದ ಸಮಯದ ರದ್ದಿ Date of Birth of Child			

The authenticity of the Birth or Death certificates can be verified by the agencies e.g., School Authority, Passport Offices , Insurance companies etc.,

eJanMa web application screens

Directorate of Economics and Statistics, Bangalore [IN] | <https://www.ejanma.karnataka.gov.in/Admin/frmRptFormAn...>

eJanMa Master Entry ▾ Users ▾ Search ▾ Reports ▾ SMS Home Change Password admin ▾

Distict wise Report

Month **October** Year **2018**

Print

1 of 2 ? Find | Next

Government of Karnataka

ANNEXURE - 4

REGISTERED BIRTHS, DEATHS, INFANT DEATHS AND STILL BIRTHS DISTRICT/MONTH-WISE INFORMATION OF STATES

Report for the Month of 10 Year 2018

State: Karnataka

Registered Births, Deaths, Infant Deaths and Still Births district/month-wise information of States/UTs

Distict Name	Rural/Urban	No. of Registration Units (RUs)	No. of RUs who have submitted monthly return	Level of Reporting (%) (3 / 2 *100)	No. of Registered Births				No. of Registered Deaths				No. of Infant Deaths (Less than 1 year)				No. of Child D or More but I	
					Male	Female	Trans gender	Total	Male	Female	Trans gender	Total	Male	Female	Trans gender	Total	Male	Fema

12:16 PM

Vital Statistics report : District wise Births , Deaths , Infant deaths less than 1 year , Infant deaths more than 1 year and less than 5 years and Still Births can be generated in web based application and sent to the RGI every month instantly.

eJanMa web application screens

eJanMa Births Deaths Search Reports Digital Signature User Manual Home Change Password TelaVA

Form 11

Month **January** Year **2018** **View**

1 of 1 Find | Next

**ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ನಮೂನೆ-11
(14 ನೇ ನಿಯಮ ನೋಡಿ)
ಮಾಹಿವಾರು ಜನನಗಳ ಸಾರಾಂಶ ವರದಿ**

1	ಜನವರಿ ಮಾಹಿತಿ 2018 ವರ್ಷದ ವರದಿ				
2	ಜಿಲ್ಲೆ	Bengaluru			
3	ತಾಲ್ಲೂಕು/ಪಟ್ಟಣ/ಗ್ರಾಮ	Anekal			
4	ನೋಂದಣಿ ಘಟಕ	Telagarahalli			
5	ಕೇಂದ್ರ/ವ್ಯಕ್ತದಲ್ಲಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	7			
	ಅ) ವರದಿ ಸಲ್ಲಿಸಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	7			
	ಆ) ವರದಿ ಸಲ್ಲಿಸದಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	0			
	ಇ) ಕೂಡಲೆ ವರದಿ ಇರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	6			
6	ನೋಂದಣಿಯಾದ ಜನನಗಳ ಸಂಖ್ಯೆ	ಗಂಡು	ಹೆಣ್ಣು	ತೃತೀಯ ಲಿಂಗ	ಒಟ್ಟು
	ಅ) ಘಟನೆ ಸಂಭವಿಸಿದ ಒಂದು ವರ್ಷದೊಳಗೆ	0	0	0	0
	ಆ) ಘಟನೆ ಸಂಭವಿಸಿದ ಒಂದು ವರ್ಷದ ನಂತರ	1	0	0	1
	ಒಟ್ಟು* (ಅ + ಆ)	1	0	0	1

* ಒಟ್ಟು ಸಂಖ್ಯೆಯು ಈ ಮಾಹಿತಿ ವರದಿಯೊಂದಿಗೆ ಹೊಂದಿಕೊಂಡಿರುವ ಜನನ ವರದಿ ನಮೂನೆಗೆ (ನಮೂನೆ ನಂ. 1) ತಾಳೆಯಾಗಬೇಕು.

ದಿನಾಂಕ : 28/03/2018 ನೋಂದಣಾಧಿಕಾರಿಯ ಸಹಿ ಮತ್ತು ಹೆಸರು

ಮುಖ್ಯ ನೋಂದಣಾಧಿಕಾರಿಗಳು / ಜಿಲ್ಲಾ ನೋಂದಣಾಧಿಕಾರಿಗಳು / ತಹಶೀಲ್ದಾರರು / ಆಯುಕ್ತರು / ಮುಖ್ಯಾಧಿಕಾರಿಗಳಿಗೆ ಸಲ್ಲಿಸಲಾಗಿದೆ.

Birth Summary month wise can be generated in Registrars / Sub Registrars login.

eJanMa web application screens

Form 12

Month **January** Year **2017**

Print

1 of 1 Find | Next

**ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ನಮೂನೆ ಸಂ. 12
(14ನೇ ನಿಯಮ ನೋಡಿ)
ಮಾಹವಾರು ಮರಣಗಳ ಸಾರಾಂಶ ವರದಿ**

1	ಜನವರಿ ಮಾಹೆ 2017 ವರ್ಷದ ವರದಿ				
2	ಜಿಲ್ಲೆ		Bengaluru		
3	ತಾಲ್ಲೂಕು / ಪಟ್ಟಣ / ಗ್ರಾಮ		Anekal		
4	ನೋಂದಣಿ ಘಟಕ		Telagarahalli		
5	ಕೇಂದ್ರ / ವ್ಯಕ್ತವಲ್ಲಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ		7		
	ಅ ವರದಿ ಸಲ್ಲಿಸಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ		7		
	ಆ ವರದಿ ಸಲ್ಲಿಸಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ		0		
	ಇ ಶೂನ್ಯ ವರದಿ ಇರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ		6		
6	ಈ ಮಾಹೆಯಲ್ಲಿ ನೋಂದಣಿಯಾದ ಮರಣದ ವಿವರಗಳು				
	ಮರಣಗಳು				
ಸಂಭವಿಸಿದ ಒಂದು ವರ್ಷದೊಳಗೆ ನೋಂದಣಿಯಾದವು	ಸಂಭವಿಸಿದ ಒಂದು ವರ್ಷದ ನಂತರ ನೋಂದಣಿ ಯಾದವು		ಒಟ್ಟು +	ಶಿಶು ಮರಣಗಳು	ತಾಯಂದಿರ ಹರಿಗೆ ಸಂಬಂಧದ ಮರಣಗಳು

Death Summary month wise can be generated in Registrars / Sub Registrars login.

eJanMa web application screens

eJanMa Births Deaths Search Reports Digital Signature User Manual Home Change Password Dak.Man.6630DAP

Form 13

Month January Year 2018

Print

1 of 1 Find | Next

**ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ನಮೂನೆ-13
(14 ನೇ ನಿಯಮ ನೋಡಿ)
ಮಾಹವಾರು ನಿರ್ಜೀವ ಜನನಗಳ ಸಾರಾಂಶ ವರದಿ**

1	ಜನವರಿ ಮಾಹೆ 2018 ವರ್ಷದ ವರದಿ			
2	ಜಿಲ್ಲೆ	Dakshina Kannada		
3	ತಾಲ್ಲೂಕು/ಪಟ್ಟಣ/ಗ್ರಾಮ	Mangaluru		
4	ನೋಂದಣಿ ಘಟಕ	Lady Goshan Hospital		
5	ಕೇಂದ್ರ/ವ್ಯತ್ಯದಲಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	1		
	ಅ ವರದಿ ಸಲ್ಲಿಸಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	1		
	ಆ ವರದಿ ಸಲ್ಲಿಸದಿರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	0		
	ಇ ಶೂನ್ಯ ವರದಿ ಇರುವ ಗ್ರಾಮಗಳ ಸಂಖ್ಯೆ	0		
6	ನೋಂದಣಿಯಾದ ನಿರ್ಜೀವ ಜನನಗಳ ಸಂಖ್ಯೆ*	ಗಂಡು	ಹೆಣ್ಣು	ಒಟ್ಟು
		4	4	0
				9

* ನೋಂದಣಿಯಾದ ನಿರ್ಜೀವ ಜನನಗಳ ಸಂಖ್ಯೆಯು ಈ ಮಾಹಿತಿ ವರದಿಗೆ ಹೊಂದಿಸಲಾದ ನಿರ್ಜೀವ ಜನನದ ನಮೂನೆ (ನಮೂನೆ ನಂ. 3) ಗಳ ಸಂಖ್ಯೆಗೆ ತಾಳೆಯಾಗಬೇಕು.

ದಿನಾಂಕ : 3/28/2018 4:55:26 PM ನೋಂದಣಾಧಿಕಾರಿಯ ಸಹಿ ಮತ್ತು ಹೆಸರು

ಮುಖ್ಯ ನೋಂದಣಾಧಿಕಾರಿಗಳು / ಜಿಲ್ಲಾ ನೋಂದಣಾಧಿಕಾರಿಗಳು / ತಹಶೀಲ್ದಾರರು / ಆಯುಕ್ತರು / ಮುಖ್ಯಾಧಿಕಾರಿಗಳಿಗೆ ಸಲ್ಲಿಸಲಾಗಿದೆ.

Still Birth Summary month wise can be generated in Registrars / Sub Registrars login.

Special features of 'e-JanMa'

- Digital Signature of the registrars/ sub-registrars have been introduced. Once the event has been approved, registrar / sub-registrars will digitally sign the certificate generated in the application.
- SMS will be sent to the registrars/ sub-registrars mobile regarding the pending events for approval.
- SMS will be sent to the informant's mobile after the event is approved.
- Public can verify the status of the application in the public portal of the 'e-JanMa' regarding correction and name inclusion.
- The authenticity of the Birth or Death certificates can be verified by the agencies e.g., School Authority, Passport Offices , Insurance companies etc.,

SURVEY ON DEVELOPMENT PROGRAMMES

- Sample survey on development programmes is being conducted every year since last 18 years. This year the following development programmes are taken for survey.
 - Distribution of cycles free of cost for students studying in 8th standard.
 - Pashubhagya yojane of Department of Animal Husbandry and Veterinary Sciences (Distribution of rearing animals).
 - Rehabilitation programme for sexual minorities.
 - Monthly pension scheme for differently abled.

SURVEY ON DEVELOPMENT PROGRAMMES

- The objective of the survey is
 - to see whether the objectives of the development programme are fulfilled on time and reach the targeted population.
 - The report reflecting the results of the survey enables the concerned development department to further strengthen the implementation of the programme with modifications if required.

SURVEY ON DEVELOPMENT PROGRAMMES

- During 2016-17 a rapid assessment survey was conducted on four programmes namely;
 - Anna bhagya
 - Ksheera bhagya
 - Krushi bhagya
 - Interest Subvention Scheme
- Under ksheera baghya scheme
 - whole milk was given only for 3 days to the school going children and
 - skim milk was given to Anganawadi children.
- After considering the results of the survey, whole milk is provided for all children for all 6 days.



Thank
you