

MEGHALAYA - PHOTO ELECTORAL ROLLS

Introduction: The implementation of the Photo Electoral Rolls in Meghalaya was done in-house i.e. performed by all the election offices in the state. No private agencies were engaged. This was possible because the District and Sub-divisional Offices in the state are having their own **Technical Personnel**. Presently, each election office in the state has 1(one) Computer Technical person, who heads the computer cell set up for operating the computerization election works. Other staffs in the computer cell are those who were selected from amongst the staffs in the District / Sub-Divisional offices to whom appropriate trainings were imparted. During crucial periods, when the computerization work was more, computer operators were also engaged on contract.

Publicity: Publicity through the print Media and electronic media proved effective in urban areas. Dovetailing the photo electoral rolls campaigns with campaigns on development programmes, at the Block level and in selected places, proved to be effective instruments, in the rural areas

Cameras: The choice of type of Camera for operating the photography was based on factors such as i) Clarity, (Resolution) (ii) Storage Capacity/ Storage flexibility (memory cards) (iii) Easy operation (iv) Reliability and easy portability (v) Cost. Sony DSC-W5 5.1 Mega Pixels camera was selected as a standard camera after weighing all the aforesaid suitable factors.

Identification of cameramen and training: - Electoral Registration Officers and Assistant Electoral Registration Officers were trained on the handling of camera. Master trainers were trained in the state capital. The District Election Officers and Sub-Divisional Officer (Elections) identified some competent Government employees, like the Enumerators, the Gram Sevaks in the Block, staff of the office of Deputy Commissioner and other district offices and appointed those as cameramen. In addition, some non-Government employees were also recruited as cameramen.

Trainings on Camera were imparted, to

- (i). Enable the cameramen of keeping and maintaining the correct camera settings for getting the desired elector's Image quality.
- (ii). Enable cameramen to have adequate knowledge in handling the overall basic necessary camera operations.
- (iii) Enable cameramen to have adequate knowledge in storing the captured images in proper memory devices

Cameras deployment office wise: All the election offices in the state were allotted with certain number of cameras based on i) the number Assembly Constituency, ii) the number of electors iii) the vastness of geographical areas, etc.,

Deployment photography teams - The trained cameramen were deployed to the various Designated Photographic locations, identified by the District and Sub-Divisional officers, keeping in line with instructions of Chief Electoral Officer. The Photography strategy of deploying cameramen village wise proved a very effective means as every elector got the best opportunity to get photograph due to i) nearness, ii) less crowd etc.,

Image record keeping - Strategies has been formulated to prevent misplace/loss of Image captured.

1. Appropriate archival methods have been devised to prevent misplace/loss of captured images by assigning individual image with distinct name.
2. Maintenance of Registers and token system containing individual elector's information and images for reference is properly docketed.
Register books and tokens are kept safely custody.

Computers – In order to achieve good system throughput and relatively high storage capacity, mid-range type of **SERVERS** and **CLIENTS** computers of Pentium-4 / 3GB RAM/ 160 GB HDD / DVD Writer are basic system configuration for running the Photo Electoral Rolls Software.

Deployment of Computers in election offices – All election offices in the state has computer cell set up for operating the computerization election works. The

number of computers (SERVERS and CLIENTS) allotted to individual office is based on the number of i) Assembly Constituencies each office serves ii) Electors

SOFTWARE ASPECTS

A. ELECTORS PHOTO IDENTITY CARD (EPIC) SOFTWARE: the software process of 1:1 linking between individual electoral database information and its captured image has been done by using the EPIC standard software, developed by the CMC, Ltd., Kolkata, in compliance with the prescribed ECI's software technical specifications for automated / self generation of each DISTINCT EPIC NO for individual elector.

Software Modules: This software comprises 4-main modules i.e., i) ADMINISTRATION, ii) BACK OFFICE, iii) AGENCY and iv) FIELD UNIT modules.

Software functions - Nut shell description: Firstly, the software picks up all the necessary electoral database tables maintained in ORACLE and translate these into ACCESS database. Secondly, it captures all the additional relevant information pertaining to individual Assembly Constituency (AC) and the individual Election office details. Thirdly, captures the BLOCK RANGE of EIPC NO (numeric number) to be generated for a particular AC and particular EPIC Campaign based on the technical calculation of the previous no. of EPICS already generated against the AC. Fourthly, the software performs most of the crucial tasks in the FIELD UNIT module, i.e., the DISTINCT assignment of EPIC NO. to individual elector based on the technical calculation using LUHN formula (Mod 10) as ECI prescribed. The technical implementation of this formula ensures that no DUPLICATE EPIC NO can be generated if all the technical operations are strictly followed.

ACCESS to ORACLE – EPIC NO Upload - After the process of 1:1 linkage between elector's electoral database with its image has been done, the linked EPIC NOS. are uploaded to ORACLE based on 1:1 mapping of ACCESS with ORACLE record by using [AC_NO,PART_NO,SLNOINPART] as concatenated PRIMARY KEY for DISTINCT identification of individual elector.

B. PHOTO ROLLS SOFTWARE: Developed by the National Informatics Center (NIC), UNIT, Shillong, using ORACLE 10g as Back-End, Visual Basic as Front-End and Crystal Report as Report handler tool.

Capturing of Images into Oracle Database: the first task of the software is to capture the images (.JPG files) from the appropriate software hierarchy hard disk location as stored by the aforesaid EPIC software into ORACLE 10g database. The process of populating of the images (.JPG files) into ORACLE is done by using [AC_NO,PART_NO,SLNOINPART] as concatenated PRIMARY KEY for DISTINCT identification of individual elector.

Capturing of AC & PARTS MAPs into Oracle Database: the corresponding MAPs of individual AC & PART_NO are captured into the ORACLE database in the format of .JPG files.

Photo Rolls Reports : the development of the **Photo Rolls Reports has been the most difficult task**, as these reports required the maximum number the ELECTORAL and EPIC tables to be synchronized for molding into a compatible **ECI's prescribed PHOTO ROLLS format**, i.e., 3-Electors per Row, 30-Electors per Page with Image size of width =1.5 cms and height=2.0 cms and other parameters. A ready format sample is attached.

Photo Rolls Checklist Reports: a standard **Checklist Photo Rolls** has been developed by National Informatics Center (NIC), UNIT, Shillong, using ORACLE 10g as Back-End, Visual Basic as Front-End and Crystal Report as Report handler tool. The aim of having this application is to utilize its reports as preliminary correction tools for photo electoral rolls with regard to the elector's individual electoral and image correctness information.

Booth Level Officers (BLOs): A checklist was printed part wise .The check list contains the particulars electors and their images .The spot verification was done to ascertain whether the image of an elector and the electors particulars is correct or not. The service of the BLOs was put in place for this field verification .The BLOs moves from house to house to do this job. Corrections were made, in the ELECTORAL and EPIC database, by the Electoral Registration Officers, based on the inputs from the BLOs.

SAMPLE

**Photo Electoral Rolls
of
Meghalaya**

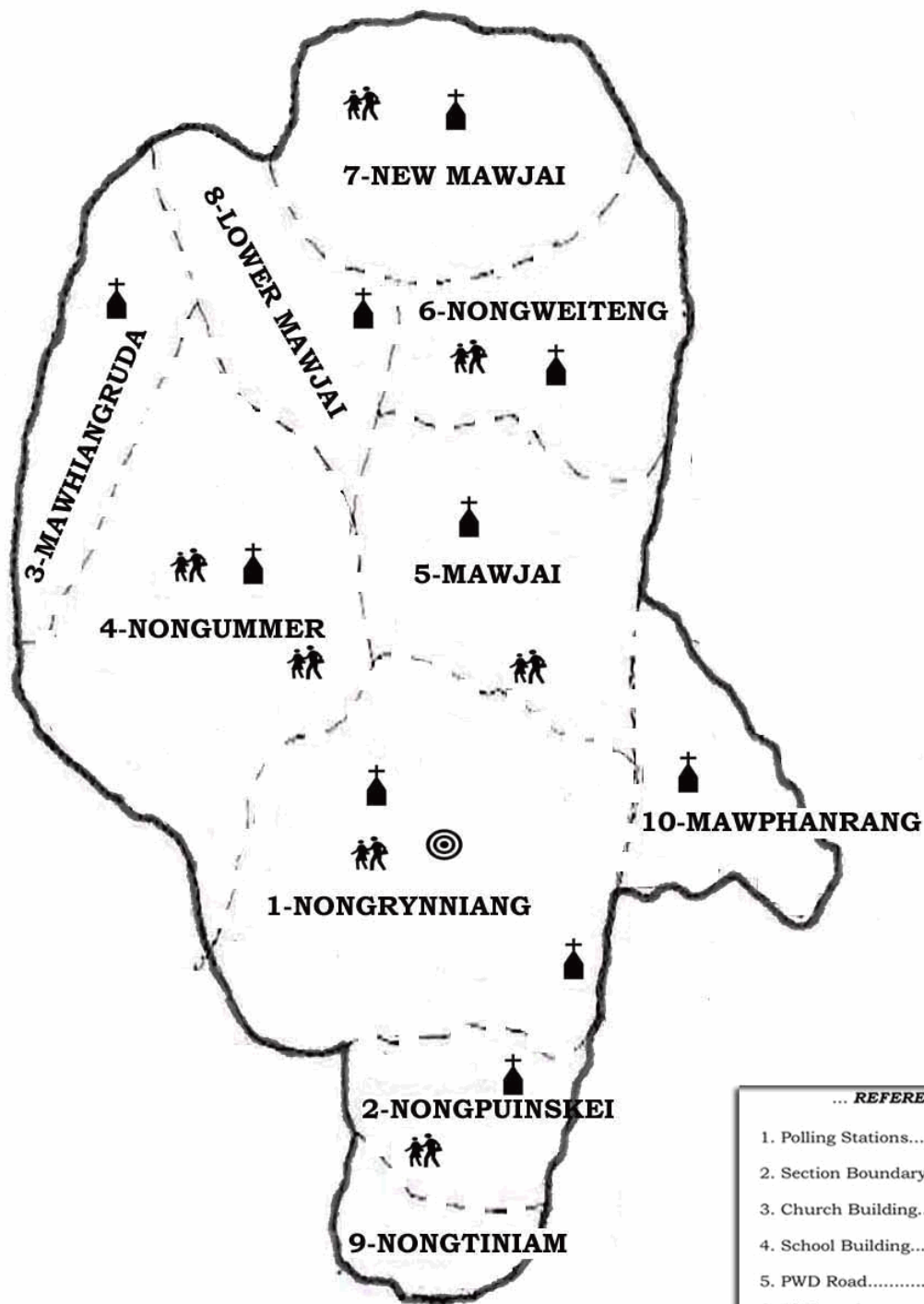
ELECTORAL ROLL, 2011

STATE - MEGHALAYA

No. , Name and Reservation Status of Assembly Constituency :		35 - RANIKOR(ST)		Part No. 7	
No. , Name and Reservation Status of Parliamentary Constituency(ies) in which the Assembly Constituency is located : 1-SHILLONG (ST)					
1. DETAILS OF REVISION					
Year of Revision : 2011 Qualifying Date : 01.01.2011 Type of Revision : Special Summary, 2011 Date of Publication : 05.01.2011			Roll Identification : Basic roll of Revision, 2010 integrated with all supplements prepared in accordance with the extent of the newly Delimited Constituency.		
2. DETAILS OF PART & POLLING AREA					
No. and Name of sections in the part : 1 - Nongrynniang, 2 - Nongpuinskei, 3 - Mawhiangruda, 4 - Nongummer, 5 - Mawjai, 6 - Nongweiteng, 7 - New Mawjai, 8 - Lower Mawjai, 9 - Nongtiniam, 10 - Mawphanrang					
			Main Village : NONGRYNNIANG District : WEST KHASI HILLS Sub Division : Block : Municipality : Ward No. : Police Station : Pin Code : 793119 Post Office :		
3. POLLING STATION DETAILS					
No. and Name of Polling Station : Address of Polling Station :		7 - NONGRYNNIANG NONGRYNNIANG GOVT. L. P. SCHOOL, NONGRYNNIANG		Type of Polling Station (Male/Female/General) : GENERAL Number of Auxiliary Polling Stations in this Part : 0	
4. NUMBER OF ELECTORS					
Starting Sl. No.	Ending Sl. No.	Net Electors			
		Male	Female	Total	
1	706	340	361	701	
































MAP OF 7-NONGRYNNIANG UNDER 35-RANIKOR (ST) AC



... REFERENCES ...

- | | |
|--------------------------|--|
| 1. Polling Stations..... | |
| 2. Section Boundary..... | |
| 3. Church Building..... | |
| 4. School Building..... | |
| 5. PWD Road..... | |
| 6. PS Boundary..... | |
| 7. Foot Path..... | |
| 8. Rivers..... | |

Section : 4 - Nongummer , District - West Khasi Hills , Pin - 793119

239 MDS0503839 Name : Siril Nongtnger  Father's Shoren Nongbri Name : House No: 1 Age : 37 Sex : Male	240 MDS0504399 Name : Maialin K.Bani  Husband's Siril Nongtnger Name : House No: 1 Age : 29 Sex : Female	241 MDS0503359 Name : Kristina Paliar  Husband's Ningstar K.Bani Name : House No: 2 Age : 62 Sex : Female
242 MDS0503334 Name : Emlinda Paliar  Husband's Jeliat Marthong Name : House No: 2 Age : 32 Sex : Female	243 MDS0692319 Name : Ancylii Paliar  Husband's Colester Marshra Name : House No: 2 Age : 24 Sex : Female	244 MDS0505123 Name : Ristilda K.Bani  Husband's (L) Borsing Rynshiang Name : House No: 3 Age : 71 Sex : Female
245 MDS0504878 Name : Chedrack K.Bani  Father's Borsley Rynshiang Name : House No: 3 Age : 34 Sex : Male	246 MDS0504894 Name : Maiantiful Tyrsa  Husband's Chedrack K.Bani Name : House No: 3 Age : 32 Sex : Female	247 MDS0503821 Name : Dringsly Mawlot  Father's Joni Marthong Name : House No: 4 Age : 61 Sex : Male
248 MDS0503326 Name : Bloristilda K.Bani  Husband's Dringsly Mawlot Name : House No: 4 Age : 56 Sex : Female	249 MDS0679639 Name : Sharailin K.Bani  Father's Dringsly Mawlot Name : House No: 4 Age : 31 Sex : Female	250 MDS0504704 Name : Rangsing Mawlieh  Father's Soin Sohphoh Name : House No: 5 Age : 48 Sex : Male
251 MDS0503367 Name : Biewla K.Bani  Husband's Rangsing Mawlieh Name : House No: 5 Age : 45 Sex : Female	252 MDS0504639 Name : Orister K.Bani  Father's Basing Lyngkhoi Name : House No: 5 Age : 44 Sex : Male	253 MDS0503409 Name : Oblik Dkhar  Father's Kwelion Symbei Name : House No: 6 Age : 56 Sex : Male
254 MDS0504498 Name : Maikhel K.Bani  Father's Oblik Dkhar Name : House No: 6 Age : 29 Sex : Male	255 MDS0717892 Name : Klaiming Thongni  Father's Kek K. Jahrin Name : House No: 6 Age : 25 Sex : Male	256 MDS0504712 Name : Dresila K.Bani  Father's Jang Puwein Name : House No: 7 Age : 49 Sex : Female
257 MDS0692137 Name : Robistone K. Bani  Father's Spar Iawphniaw Name : House No: 7 Age : 22 Sex : Male	258 MDS0504779 Name : Kopsperlin Symbei  Father's Dringsly K.Bani Name : House No: 8 Age : 38 Sex : Male	259 MDS0505255 Name : Kantinoris Symbei  Husband's Hamless K.Bani Name : House No: 8 Age : 36 Sex : Female
260 MDS0505032 Name : Daplin Marshra  Husband's Kopsperlin Symbei Name : House No: 8 Age : 26 Sex : Female	261 MDS0503920 Name : Plensing K.Bani  Father's Thir Dkhar Name : House No: 9 Age : 57 Sex : Male	262 MDS0503938 Name : Selmoris Marshra  Husband's Plensing K.Bani Name : House No: 9 Age : 56 Sex : Female
263 MDS0504811 Name : Ejiwell Symbei  Father's Trak K.Bani Name : House No: 10 Age : 38 Sex : Male	264 MDS0503482 Name : Wishaldiew Marshra  Husband's Ejiwell Symbei Name : House No: 10 Age : 27 Sex : Female	265 MDS0504696 Name : Sripshon Thongni  Father's Sng Symbei Name : House No: 11 Age : 61 Sex : Male
266 MDS0503466 Name : Miarda Dkhar  Husband's Sripshon Thongni Name : House No: 11 Age : 56 Sex : Female	267 MDS0504787 Name : Bokster K.Bani  Guardian's Sripshon Thongni Name : House No: 11 Age : 42 Sex : Male	268 MDS0679035 Name : Wishaldiew Dkhar  Husband's Bokster K.Bani Name : House No: 11 Age : 37 Sex : Female

SUPPLEMENT DETAILS**Supplement No : 1****Revision - ID :** Special Summary Revision, 2011**Qualifying date :** 01.01.2011

Mother Roll : Basic roll of Revision, 2010 integrated with all supplements prepared in accordance with the extent of the newly Delimited Constituency.

Supplement Process & Year : Special Summary Revision, 2011








Supplement Type : List of Additions, Deletions & Corrections

Date of Publication : 05.01.2011





Component - I : ADDITIONS LIST**Section : 4 - Nongummer, District - West Khasi Hills , Pin - 793119**

699	RCK0017582		700	RCK0017590	
Name : Syrpai Marshra			Name : Hamida Dkhar		
Father's Name : Phasman Symbei			Guardian's Name : Olistar Marshra		
House No: 33			House No: 12		
Age : 19 Sex : Female			Age : 18 Sex : Female		

Section : 8 - Lower Mawjai, District - West Khasi Hills , Pin - 793119






698	RCK0017574		701	RCK0017608		702	RCK0017616	
Name : Mickey Marthong			Name : Dweslington lawren			Name : Jopmarbot Syiemlieh		
Father's Name : Prosper K. Bani			Father's Name : Phron Thongni long			Husband's Name : Zandy Myrthong		
House No: 1			House No: 20			House No: 1		
Age : 18 Sex : Male			Age : 40 Sex : Male			Age : 23 Sex : Female		
703	RCK0017624		704	RCK0017632		705	RCK0017640	
Name : Mumdaris Lyngdoh			Name : Kwimly Lyngdoh			Name : Rishalty Thongni		
Guardian's Name : Wissly Syiem			Guardian's(L) Name : Josing Marthong			Husband's Name : Lesding Lyngdoh		
House No: 4			House No: 12			House No: 21		
Age : 25 Sex : Female			Age : 40 Sex : Female			Age : 21 Sex : Female		
706	RCK0017657							
Name : Iatreilin Nongsiang								
Father's Name : Densely lawphniaw								
House No: 5								
Age : 30 Sex : Female								

Section : 10 - Mawphanrang, District - West Khasi Hills , Pin - 793119

694	RCK0017533		695	RCK0017541		696	RCK0017558	
Name : Yeldora Marthong			Name : Medarlin Wanniang			Name : Iohborlin Nongsiang		
Father's Name : Mekstar Jahrin			Father's Name : Prota Marthong			Father's Name : Moster Marthong		
House No: 5			House No: 24			House No: 11		
Age : 19 Sex : Female			Age : 20 Sex : Male			Age : 18 Sex : Male		
697	RCK0017566							
Name : Shaining Marthong								
Father's Name : Estingwell Wanniang								
House No: 2								
Age : 18 Sex : Male								








Number of Additions	Men	Women	Total
	5	8	13

Component - II : DELETIONS LIST

E 265 MDS0504696 Name : Sripshon Thongni  Father's Sngi Symbei Name : House No: 11 Age : 61 Sex : Male	E 268 MDS0679035 Name : Wishaldiew Dkhar  Husband's Bokster K.Bani Name : House No: 11 Age : 37 Sex : Female	S 649 MDS0507889 Name : Delishon Langrin  Father's Wet Nongsiang Name : House No: 12 Age : 57 Sex : Male
S 655 MDS0508242 Name : Bikstar Thongni  Father's Get Marngar Name : House No: 14 Age : 42 Sex : Male	E 675 MDS0508127 Name : Angela Marthong  Husband's (L) Denis Thygni Name : House No: 23 Age : 67 Sex : Female	

Number of Deletions	Men	Women	Total
	3	2	5

Component - III : CORRECTIONS LIST

40 MDS0503102 Name : Ionlina Syiem  Husband's (L) Thoman Thongni Name : House No: 12 Age : 75 Sex : Female	347 MDS0503391 Name : Gracefulmen Kharbani  Husband's Wonder Dkhar Name : House No: 41 Age : 26 Sex : Female	397 MDS0692665 Name : Joyful K.Bani  Husband's Franklin M. Lyngdoh Name : House No: 57 Age : 28 Sex : Female
470 MDS0505867 Name : Smelis Lyngdoh  Husband's Bommingstar Marthong Name : House No: 8 Age : 39 Sex : Female	471 MDS0505842 Name : Bommingstar Marthong  Father's King Thongni Name : House No: 8 Age : 32 Sex : Male	510 MDS0506758 Name : Will Nongsiang  Husband's Densly Iawphniaw Name : House No: 5 Age : 49 Sex : Female
582 MDS0506444 Name : Displin Lyngdoh  Father's Odar Sangriang Name : House No: 19 Age : 29 Sex : Female		

Number of Corrections	Men	Women	Total
	1	6	7

Place : Mawkyrwat

Shri. K.L.Nongbri , M.C.S

Date : 03.01.2011

Electoral Registration Officer, 35-Ranikor (ST)

SUMMARY OF ELECTORS						
No.,Name & Reservation Status of Electors Assembly Constituency				35 - RANIKOR(ST)		
A) NUMBER OF ELECTORS						
		Roll Type	Roll Identification	No. of Electors		
				Men	Women	Total
I	Mother Roll	Mother Roll	Basic roll of Revision, 2010 integrated with all supplements prepared in accordance with the extent of the newly Delimited Constituency.	338	355	693
II	Additions List	Supplement 1	Special Summary Revision, 2011	5	8	13
	Sub-Total			5	8	13
III	Deletion List	Supplement 1	Special Summary Revision, 2011	3	2	5
	Sub-Total			3	2	5
Net Electors in the Rolls after Continuous Updation, 2009 (I+II-III)				340	361	701
B) NUMBER OF MODIFICATIONS						
Roll Type		Roll Identification		No. of Modifications		
Supplement 1		Special Summary Revision, 2011		7		
Sub Total				7		

Place : Mawkyrwat

Shri. K.L.Nongbri , M.C.S

Date : 03.01.2011

Electoral Registration Officer, 35-Ranikor (ST)