

Mukhyamantri Nishulk Dava Yojna (MNDY)

Concept Note on Computerization of ‘Mukhyamantri Nishulk Dava Yojna’ [Phase II-Computerization of Sub Stores & DDCs] through web based “e-Aushadhi” application

‘Mukhyamantri Nishulk Dava Yojna’ (MNDY) has been started across the state since 02 Oct., 2011 in order to distribute most commonly used drugs free of cost to all patients visiting Govt. Hospital. To run the scheme an advanced inventory management has been developed by the name of e-Aushadhi. Patient Profile/Information can also be captured through e-Aushadhi application. If a new module is developed then voucher/bills can also be issued to the patients.

As of now, the inventory management of drugs viz inward & outward, even at the major sub store like (Medical College Hospital, Dist. Hospitals, Sub Distt. Hospitals, Satellite Hospitals, and also at CHCs, PHCs etc. are being carried out manually. At present, each medical hospital submit indent in off line mode at respective DDW located in each district to procure drugs for their sub stores. These are further made available at DDC for onward dispensing to the patients.

Therefore, in order to manage drug inventory through **e- Aushadhi** software at Medical College Hospitals, Distt. Hospitals, Sub District Hospitals, Satellite Hospitals, CHC, PHCs & urban Dispensaries computerization is proposed. Computer Manpower (man with machine) well versed in basic computer application are to be deployed through RMRS, which will help both in inventory management of Drugs and linking of these DDCs to e-Aushadhi application being used by RMSC. Similarly computer hardware, printers, UPS, internet connectivity etc are also required to achieve this objective.

- DDCs at Medical College Hospitals, District Hospitals, Sub District Hospitals, Satellite Hospitals, CHC are to be computerized.
- The hospital sub stores at Medical College Hospitals, Distt. Hospitals, Sub District Hospitals, Satellite Hospitals & CHCs are to be computerized.
- The Computer units at DDCs in PHCs and dispensaries will also feed data for the sub store at this places and no separate computer unit for sub store is provided at these places.
- DDCs located at sub centers and other places may not be computerized at this stage.



Project Details (Phase Wise)

Phase -I

The computerization of 34 District Drug warehouse has been done where “e-Aushadhi” the drug warehouse management system has already been implemented.

S.No.	Name of Institute	Number
1	District Drug warehouse (one in each district and 2 at Jaipur)	34
Sub Total		34

Phase-II

Now in IInd phase following is to be done:-

1. Computerize DDCs located at Medical College Hospitals, Distt. Hospitals, Sub District Hospitals, Satellite Hospitals, CHC, PHCs & urban Dispensaries under e-Aushadhi software.
2. Computerize sub stores located at Medical College Hospitals, Distt. Hospitals, Sub District Hospitals, Satellite Hospitals & CHCs.
3. To implement and monitor this computerization effectively one cell at each DDWs (34 DDWs) will be established for training, coordination, supervision and inspection at these DDCs and sub stores counters.
4. One computerization monitoring cell (4 units) will be established at RMSC, Head Quarter.
5. At certain places hardware and / or manpower is already available under other schemes like NRHM/Arogya online etc. hence at such places the requirement of hardware and manpower may be modified accordingly.

Medical & Health Department

Computer units required are as follows:

S N	Category of Hospitals	No. of Sub Stores to be Computerized (A)	H/W by Arogya Online Project (B)	H/W Required (A-B)	No. of DDC to be Computerized (C)	H/W by Arogya Online Project (D)	H/W Required (C-D)
1	District Hospitals, Sub Distt Hospitals & Satellite Hospitals	49	15	34	307	138	169
2	CHCs	376	0	376	787	0	787
3	City Dispensaries	The same computer unit is to be used for sub store as well as DDCs	0	0	198	0	198
4	PHCs		0	0	1544	0	1544
Sub Total		425	15	410	2836	138	2698
Total No. of (Sub Store + DDCs) sites which require Computer Units =3108							

Grand Total (Sub Stores + DDCs) = 3108 Computer Units

The total number of DDCs under Phase II are 3108 where computer units are required.

Financial Estimate

A. One Time Requirement at Computer Units

S.No.	Particulars (Items)	Estimated Cost in Rs.
1	1 KVA UPS with 2 Hr Backup (or Inverter)	25000.00
2	Internet Connectivity (LAN/ Datacard at 3204 Nodes)	2000.00
3	Electricity fitting/ Computer Electricity Point & Switch/ Furniture/ Display Board & Other petty expenses	3000.00
	Total	30000.00

UPS or Inverter are available at DGS&D rate contract


These are to be purchased at the level of hospital RMRS.

B. Recurring Monthly expenditure for computer units.

S.No.	Particulars (Items)	Estimated Cost in Rs.
1	Man with Machine	6500
2	Pre-printed stationary & DMP Ribbon	2000
3	Internet Connectivity	600
4	Software Component	
	e-Aushadhi (Sub Store Module)	to be provided by CDAC
	e-Aushadhi (DDC Module)	
5	Contingency @ 10% of Sno 1 to 4	910
	Total Rs.	10010
	Total (RO) Rs.	10000 or actual expenditure

Through “e-Aushadhi” application “दवा विवरण पत्र ”will be generated, as per the directions of Hon’ble Chief Minister that when free medicines are distributed to patients the “दवा विवरण पत्र ”should mention the amount spent on each medicine. The “दवा विवरण पत्र ”should also state that these medicines are being distributed free of cost to the patients. Hard copy of the statement will be given to the patient and the soft copy will be freezed and stored in the computer database.

The proposed format of statement of issued medicines to be distributed to patients under Mukhyamantri Nishulk Dava Yojna is as follows. These are to be printed locally. The back side of the paper may be used for IEC of MNDY.

छोटा परिवार खुशियाँ अपार	मुख्यमंत्री निःशुल्क दवा योजना राजस्थान सरकार	छोटा परिवार उन्नति का आधार				
दवा विवरण पत्र						
Hospital: xxxxxxxxxxxx	DDC -: xxxxxxxx					
Prescribed for : xxxxxxxxxxxxxxxx	Issue No.: xxxxxx					
By Doctor: xxxxxxxxxxxxxx	Date: DD/MM/YY					
CR No.: xxxxxxxxxxxx						
S.N	Drug Name	Batch No./ Expiry Date	Quantity Issued to Patient	Rate (Rs)	Value (Rs) (Qty.X Rate)	Average Market Price.
1	Paracetamol Tablets IP 500 mg	DXY-214 15/05/2013	4	1.88/ 10 Tab	0.75	10.00
2	Ceftazidime Injection IP 1g	XYZ-0243 11/03/2014	2	19.9/ Inj.	39.8	350.00
3	Carbamazepine Tablets IP 100 mg (Film Coated)	DRS-0458 25/08/2015	5	4.21/ 10 Tab	2.10	12.00
4	Amoxicillin Capsules IP 250mg	AXY-478 13/09/2013	4	6.12/ 10 Cap.	2.44	50.00
5	Inj. Ranitidine	-	NA	-		
Total (Rs.)					45.10	
Rs. In words- Forty Five Rupees and Ten Paise Only “मुख्यमंत्री निःशुल्क दवा योजना के तहत ये दवायें मरीज को निःशुल्क दी गई है”						
Signature						
कन्या भ्रूण हत्या जघन्य अपराध है इसका कोई प्रायश्चित नहीं है	बेटा बेटा एक समान	हर बेटा स्कूल जाये दसवी तक तो शिक्षा पाये				
	Rajasthan Medical Services Corporation					