

TECHNOLOGY FOR PRISON
PROCESS
BEST PRACTICES--
JHARKHAND

PRAVEEN KUMAR
JHARKHAND

- 12. Therefore, in your deliberations, when seeking to determine the (military) conditions, let them be made the basis of a comparison, in this wise:
- 13.6 On which side are officers and men more highly trained?

Laying plans,
in *The Art of War* by Sun Tzu

Technology (noun)

- the application of scientific knowledge for practical purposes, especially in industry.
- machinery and devices developed from scientific knowledge.
- the branch of knowledge dealing with engineering or applied sciences

Technology- meaning

- Knowledge or skill-set to application, practical application of knowledge, capability given by practical application of knowledge
- Instruments, devices, machines

Technology for Prison and Correction

- Technology can be used for
 1. institutional corrections (such as jails and prisons) or
 2. for community corrections (such as parole and probation).
- It can safeguard the lives of both officers and inmates and improve efficiency and effectiveness of correctional practices

Technology for Prison and Correction

- Among other things, technology can detect
 - contraband,
 - extract covert information,
 - monitor behavior, and
 - alert staff to personnel that are in trouble.
- It can be a viable and less expensive alternative to incarceration for less violent offenders; but the alternatives can only work if offenders can be effectively monitored. Technology can serve as a means to achieve these goals.

Technology for improvements in four focus areas

- Safety within correctional agencies.
- Efficacy of offender supervision.
- Allocation of resources within correctional agencies to reduce costs, enhance staff management and reduce injuries.
- Collaboration between national, state and local correctional agencies and other criminal justice agencies through the integration of technology information.

Technology for Prison and Correction

- Developing standards, specification and assessment according to the requirement of security and other function of jail. For example
 - Surveillance and monitor
 - Search and Detection of contraband
 - Trial by video linkage
 - Video visitation
 - MIS and Means to decision support system
 - Big Data and Analytics
- Types of Technology to be deployed for these specific function

Prison Processes—Security Functions

- Categorization and Allocation
- Counting and Control, Prisoners' movement
- Search
- Surveillance
- Communication

Types of Technology for Security Functions

Sl. No.	Security Function	Types of Technology
1.	Categorization and Allocation	Prison Software, Biometric Authentication, Aadhar Seeding
2.	Counting and Control, Prison Movement to Court	Prison Software, Biometric Authentication, Production and Trial through Video Linkage
3.	Search	HHMD, DFMD
4.	Surveillance	CCTV Camera System with Video Analytics
5.	Communication	Visitor Software, Video Visitation, Telephone Call, Mobile Frequency Jammer

Prison Software

- Developed and customized by NIC
- Integrated with National Portal of Prisons, <https://www.eprisons.nic.in>
- Aadhar Seeding and Biometric Authentication
- Legacy Data digitized and integrated with software
- Contains details of prisoners, admission registry, status of case including production in courts, History Ticket, Locator, prison movement inside prison and removal
- Proposed to be integrated with Interoperable Criminal Justice System

Production and Trial through Video Linkage

Sl. No.	Video Linkage	Percentage of production and trial , number of VC units
1.	E-production	99.57%
2.	E-trial	63.41%
3.	Existing number of VC units in jails	30
4.	Existing number of VC units in Courts	30
5.	Proposed number of additional VC units in prisons	82 units in 29 jails
6.	Proposed number of additional VC units in Courts	218

Production of Prisoners– through VC and Physically

Month	No. of prisoners produced through VC within district	No. of prisoners produced through VC from other district/jail	Total Production through VC (A)	No. of prisoners produced physically within district	No. of prisoners produced physically from other district/jail	Total No. of prisoners produced physically (B)	Total number of production (A +B)
Jan, 2018	19253	346	19617	85	0	85	19702
Feb, 2018	17561	378	17939	46	2	48	17987
March, 2018	14702	280	14982	59	0	59	15041
April, 2018	14729	232	14961	52	0	52	15013
May, 2018	15746	289	16035	236	0	236	16271
June, 2018	14134	257	14391	780	0	780	15170
July, 2018	15987	356	16343	92	0	92	16435
August,2018	14986	439	15425	161	2	161	15588
Sept,2018	14270	409	14670	28	58	28	14765
Oct, 2018	17340	360	17700	7	0	7	17707
Nov, 2018	18629	307	18936	6	0	6	18942
Dec, 2018	17705	346	18051	78	0	78	18129
Total	195042	3999	199050	1630	62	1694	200750

Trial of Prisoners– through VC and Physically

Month	Trial of prisoners through VC within district	Trial of prisoners through VC from other district/jail	Total no. of Trial through VC (A)	Trial of prisoners produced physically within district	Trial of prisoners produced physically from other district/jail	Total No. of trial produced physically (B)	Total number of Trial (A +B)
Jan, 2018	14675	733	15168	6070	71	6141	21306
Feb, 2018	14234	762	14996	5865	6	5871	20867
March, 2018	12523	635	13158	5451	7	5458	18616
April, 2018	12632	601	13233	5963	5	5968	19201
May, 2018	13820	673	14493	7170	45	7215	21708
June, 2018	11838	504	12341	7352	43	7395	19737
July, 2018	14614	757	15371	9829	16	9845	25216
August,2018	13224	1075	14299	9410	19	9429	23728
Sept,2018	11766	1076	12842	8692	10	8702	21532
Oct, 2018	8185	644	8829	4888	6	4894	13723
Nov, 2018	8077	678	8755	4667	10	4677	13432
Dec, 2018	11940	1020	12960	7470	10	7480	20440
Total	147528	9158	156445	82827	248	83075	239506

Cost of Consumption of Diesel--saving

	Production /trial in the district	Production /trial in other district	
Total Production	195042	3999	
Total trial	147528	9158	
Total Production and trial	342570	13157	
Number of to and fro trips, . (Average number of prisoners' in prisoners' van=30)	11419	13157	
Average distance between Jail and Court==3 Km To and fro journey distance==3*2= 6 Km Average mileage of Prisoners' van= 4 km /litre Diesel Consumption in a round trip= 6/4= 1.5 litre Total Diesel consumption in prisoners' van	1.5* 11419= 17128.5 litres	1.5*13157=19735.5 litres	
Diesel consumption in escort jeep Average mileage =10 km/litre Diesel consumption in a round trip=0.6 litre	0.6*11419= 6851.4 litres		
Total Diesel Consumption=	23979.9 litres	19735.5 litres	43715.4 litres
Average price of diesel in 2018= Rs. 69.4/litre Cost of diesel consumption	69.4*23979.9= Rs.16,64205.06	69.4*19735.5= Rs. 1369643.7	Rs 3033848

Video Surveillance—installation of CCTV Camera System—online presence, Real Time Monitoring

Sl. No.	CCTV Camera	Numbers
1.	Camera Provisioned	1750
2.	Camera installed	1295
3.	Video Analytics	In 8 jails
4.	Camera proposed to be installed	80

Unauthorized Communication--Blocking

- Mobile Frequency Jammer –2nd Generation by ECIL, Hyderabad

Communication—Software and Video Visitation

- Visitor Management System Software –integrated with Prison Software
- Video visitation-through Common Service Centre
- Telephone Booth with Software for Call Logger and voice recording

• THANK YOU