

ICT Programs and Project of DepED

M. PAUL C. SORIANO
Director III, Technical Service

**Radio
1959**

**TV
1962**

**Tulong Aral
1984**

**Kulit Bulilit
1985**

**School of The
Future
1997**

**Modernization
Program
1996**

**ABS-CBN
Programs
1996**

**CONSTEL
1995**

**Computerization
Program
1998-2000**

**Formulation of
th ICT4E
Strategic Plan
2007**

**DepED
Computerization
Program
2008-Present**

**ICT Implementation in
Philippine Education**

DepED ICT4E Strategic Plan

DEPARTMENT OF EDUCATION



5 YEAR

Information and Communication
Technology for Education
Strategic Plan



DepED
DEPARTMENT OF EDUCATION



VISION

***21st Century Education
For All Filipinos, Anytime,
Anywhere.***

**an ICT-enabled education system
that transforms students into
dynamic life-long learners and
values-centered, productive and
responsible citizens**

***In Five
years***

**completely integrate ICT into the
curriculum**

**intensify competency based professional
development programs**

**establish necessary ICT infrastructure &
applications**

**develop processes & systems that ensure
efficient, transparent & effective ICT
governance and management;**

Key Thrusts

Enhancing Curriculum

**Empowering Teachers,
Administrators, Officials
and Students**

**Strengthening Schools,
Governance and
Management**

Enhancing Curriculum

ICT Learning targets for students in 6 areas:



Basic operations and concepts



Social, ethical and human issues



ICT for Producing



ICT for Communicating



ICT for Researching



ICT for Problem-solving



Empowering Teachers, Administrators, Officials and Students

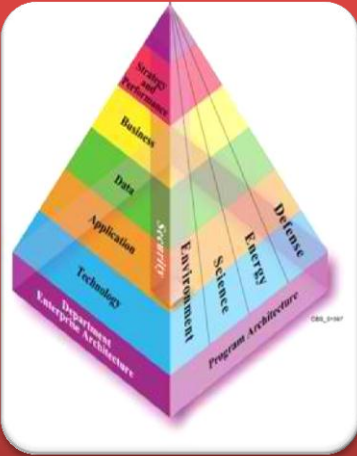


ICT Competency Standard for teachers education managers, school officials and non-teaching personnel / administrative staff



Bring all schools and teachers to certain threshold levels of ICT provision

Strengthening Schools, Governance and Management



Enterprise Architecture – define various hardware and systems for pedagogy and professional development as well as governance and management



**ICT Governance
Critical role of DepED Senior Officials in ICT governance.**

South Korea

Master Plan I 1996-2000 ICT INFRASTRUCTURE IN ALL SCHOOLS

- 1PC:1 teacher / Internet access to classrooms
- Edunet (Education Information Service System)
- ICT literacy education for students

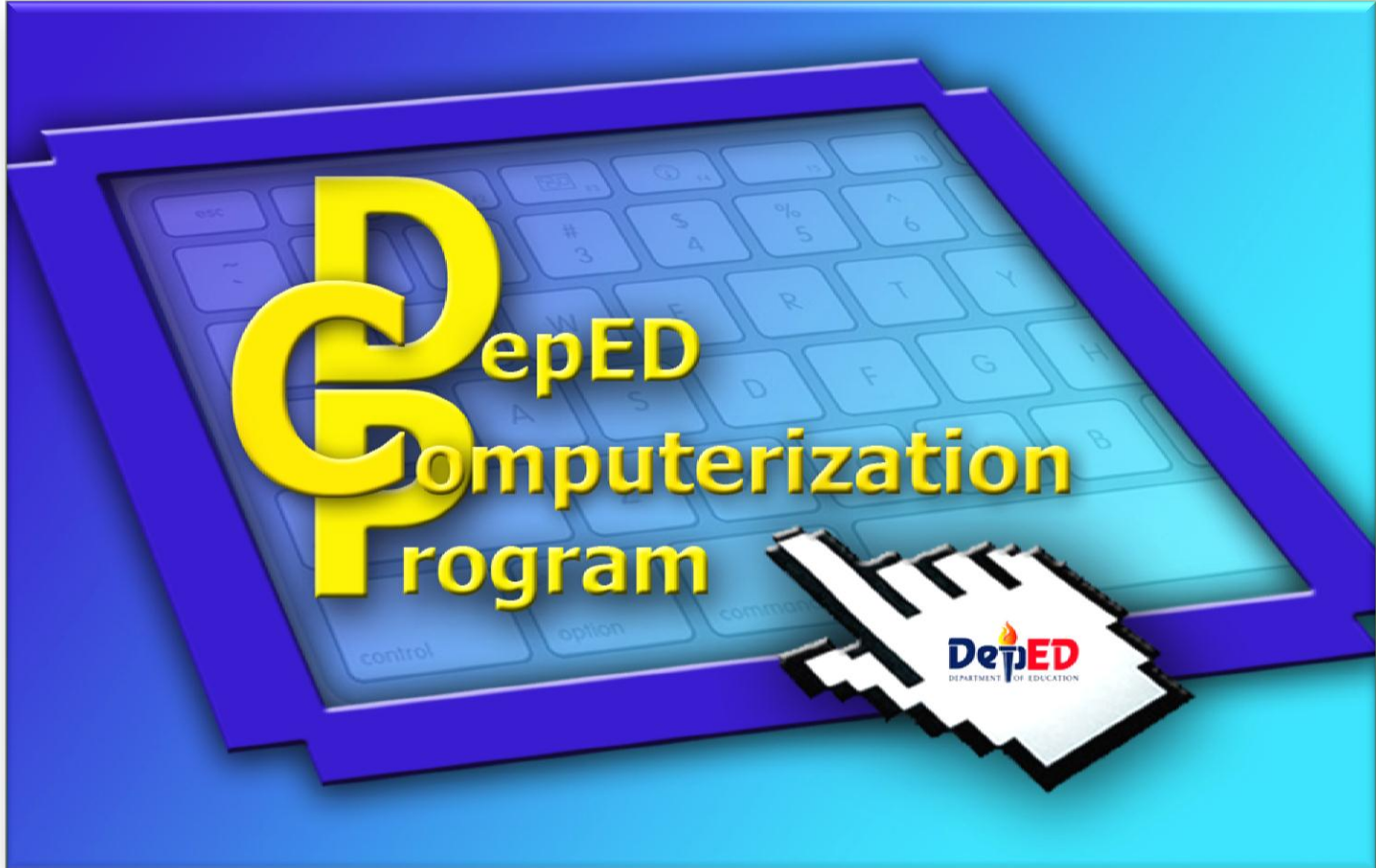
Master Plan II 2001-2005 ICT UTILIZATION & E- LEARNING

- Educational content development & distribution
- Teacher training for ICT use
- e-Administration
- Cyber Home Learning System

Master Plan III 2006-present E-LEARNING & U-LEARNING

- R&D Future Education
- R&D of u-Learning model, New media, u-Learning environment
- u-Learning pilot projects
- ICT integrated curriculum

Where are we now?.....
Updates on DepED ICT
Programs and Project



DepED Computerization Program



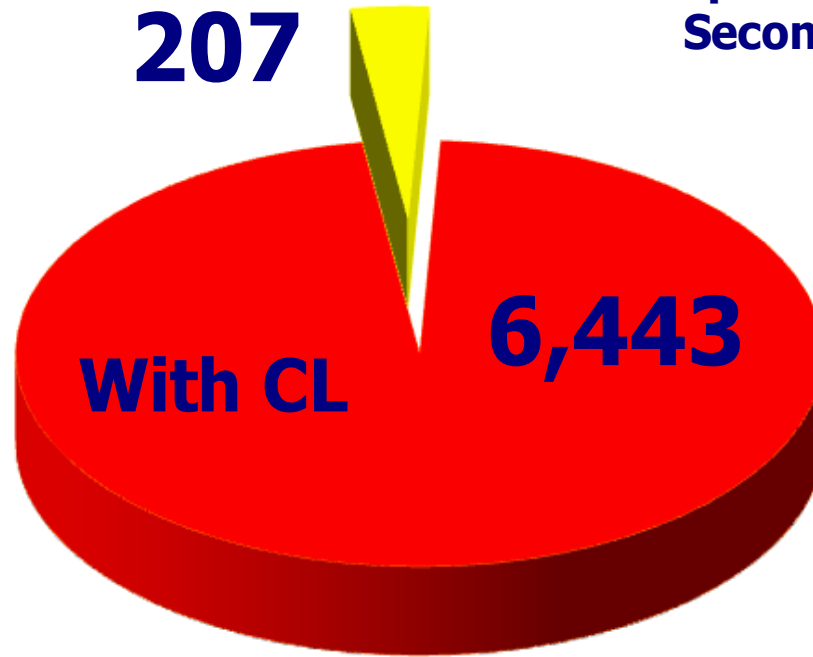
DepED
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**W/O CL
3%**

**Computer Laboratories of
Secondary Schools**

207



6,443

With CL

As of November 19, 2010

Total No. of Schools: 6,650



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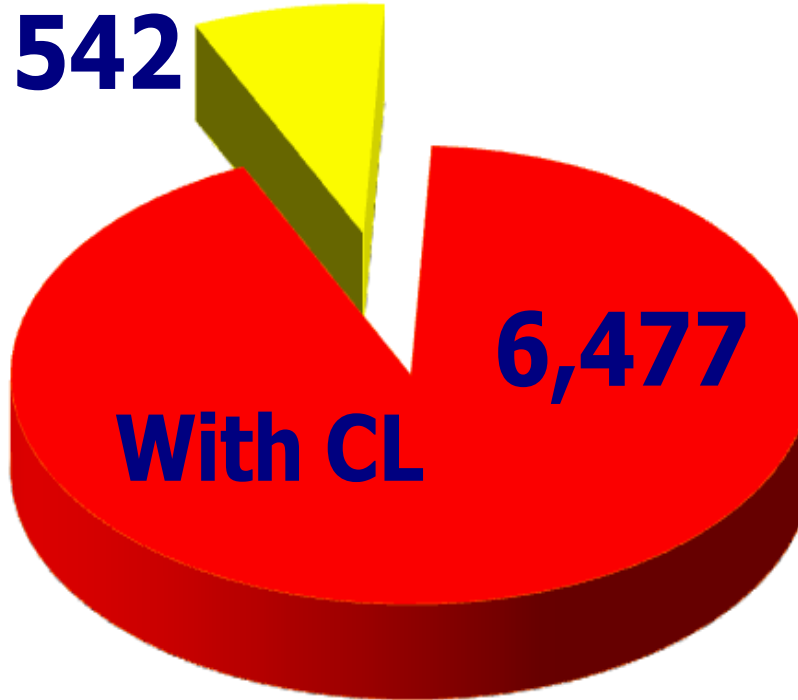
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W/O CL
8%

Computer Laboratories
of Secondary Schools



542

6,477

With CL

92%

As of January 15, 2011

Total No. of Schools: **7,019**

DepED
DEPARTMENT OF EDUCATION



797 **W/O CL** **11%**

6,477 **With CL** **89%**

Computer Laboratories of Secondary Schools

As of March 29, 2011

Total No. of Schools: 7,274



SUMMARY OF DCP: Secondary Schools

(as of July 8, 2011)

**Number of HS (including annexes, extensions, etc)
as of BEIS March 2011**

7,274

**Less: HS with computer laboratories as of July 8,
2011 (DCP 1-5,9 & 12, DTI-PCPS 1-4, CICT-iSchools
1-4, other local agencies)**

6,846

Remaining HS Without Computer Labs

428

**Newly established school BEIS 2010-2011 (as of
March 28, 2011)**

231

**Batch 10 DCP (2009) Alternative Computer
Laboratory Equipment for un-energized High
Schools Nationwide (For Bidding)**

197

Augmentation of Computer Labs for HS (2009 Budget 2010 Implementation)

Batch 12 DCP (2009) Computer Laboratory Equipment for 15 High Schools with enrolment of more than 9,000 Students (Notice to Proceed)	15
Batch 8 DCP (2009) Tech-Voc High Schools Nationwide	206
Batch 9 DCP (GEM Click Recipients, PCPS 1-2)	83
DTI-PCPS 4 Mindanao Phase (Replacement of PCPS1-2002) Delivered	203
CICT-09 Computer Laboratory Package for 306 Secondary Schools nationwide (Deployed)	180
DTI-PCPS 4 Luzon and Visayas (On-going Deployment)	775
TOTAL	1,462

Batch	Budget Source	Deployment	Particulars	Number of Schools
1	FY2006 Regular Budget	2008	Computer Laboratory Equipment for Secondary Schools	200
2	FY2003-2004	2008	Computer Laboratory Equipment for Secondary Schools	400
3	FY2003-2004 Re-order	2008	Reorder for Computer Laboratory Equipment for Secondary Schools	100
4	FY2006 Supplemental Budget	2009	Computer Laboratory Equipment for Secondary Schools	375
5	FY 2008	2009	Computer Laboratory Equipment for Secondary Schools	675
6	FY2003-2004 Savings	2011	E-classrooms for Public Elementary Schools-Pilot Implementation	93
7	FY2009	2011	E-classrooms for Public Elementary Schools Nationwide	2,837
8	FY2009	2011	Computer Laboratory Equipment for Tech-Voc High Schools Nationwide	240
9	FY2009	2010-2011	Computer Laboratory Equipment for Secondary Schools Nationwide	813
10	FY2009		Alternative Computer Laboratory Equipment for un-energized High Schools	197
11	FY2009	2011	Laptops for Mobile Teachers	803
12	FY2009	2011	Computer Laboratory Equipment for High Schools with enrollment of more than 9,000 Students,150 terminals	15
TOTAL				6,748

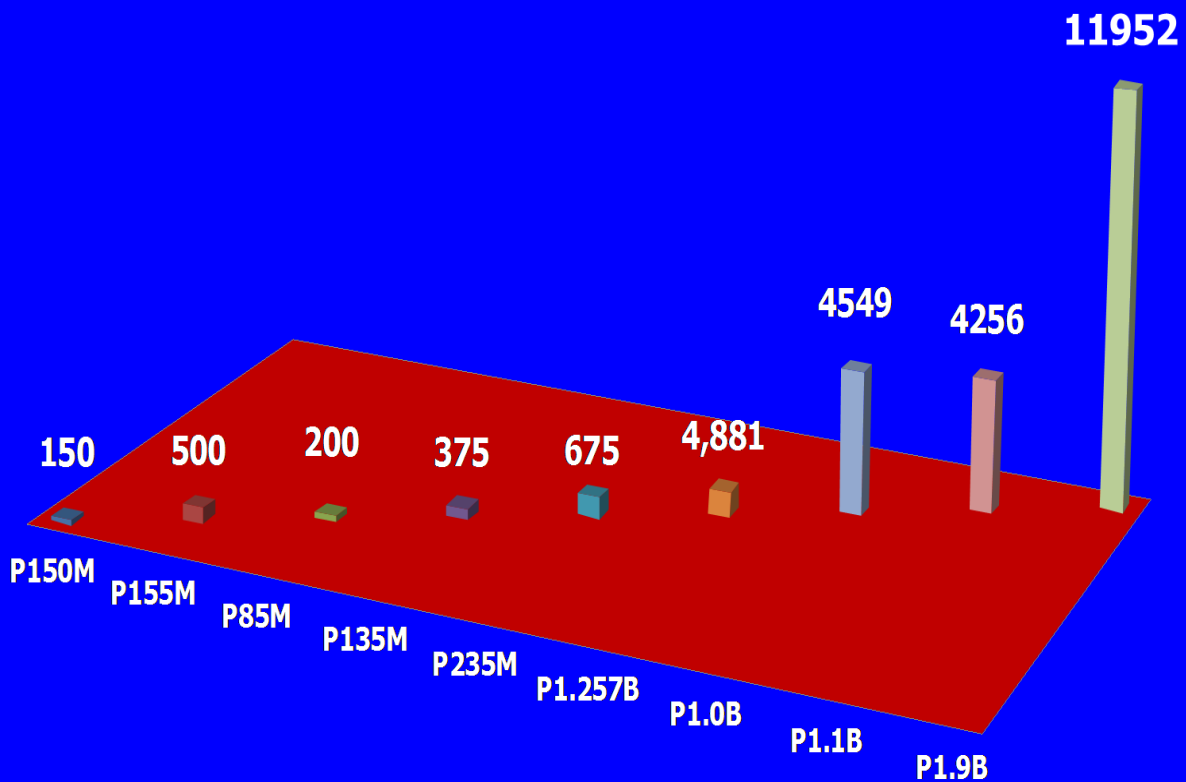
FY	Budget	Total Terminals	Average Cost per PC
2000-2002	150 M	1650	90,909
2003-2008	573.14 M	19,901	28,799
2009-2011	3.365 B	147,472	22,819
2012-2014	8.069 B	333,923	24,167

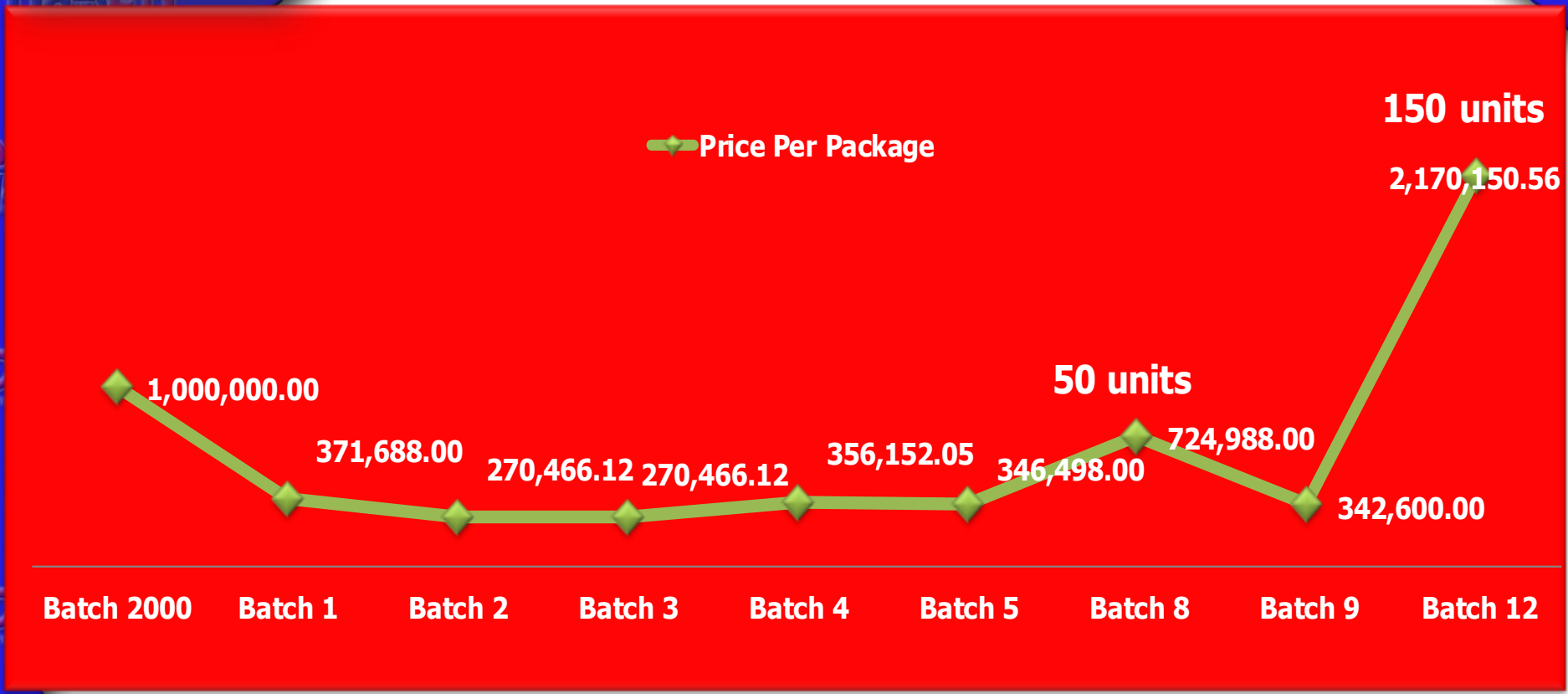


MAXIMIZING THE BUDGET

■ 2002 ■ 2003-2004 ■ 2006 ■ 2006S ■ 2008 ■ 2009 ■ 2010 ■ 2011 ■ 2012

Quantity of Recipients





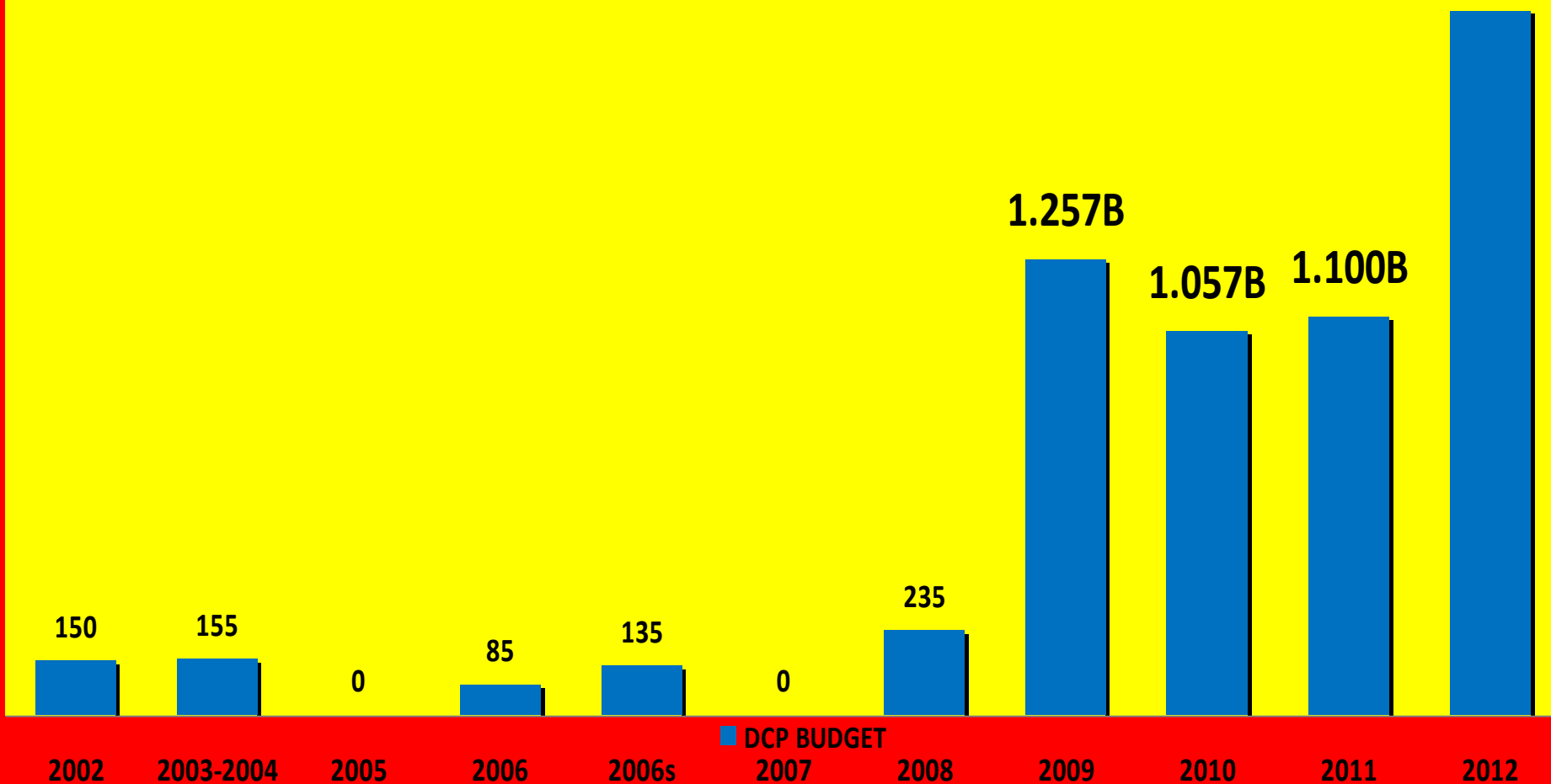
**65,659 computer/terminals
in 4 years**



DCP BUDGET

INCREASE IN BUDGET ALLOCATION

1.990B





Deployed Packages

DCP Batch 1-5 & 9

Regular Secondary Schools

Qty.	Specifications
11	Desktop PC (Branded and Brand new) 17" LCD Screen
	Operating/Application System: Windows OS 7 Office Professional 2007 Perpetual VL Academic Edition Pre-installed Microsoft Encarta Premium 2008 Pre-installed Anti-virus Software one year license Open Desk Kit Learning Resources
1	Wireless Broadband Router (Branded and Brand new)
11	UPS (Branded and Brand new)
1	3-in-1 Inkjet Printer (Branded and Brand new)
Set	Face to face lecture and hands-on training on basic software and hardware installation



DCP Batch 1-3





DCP Batch 4,5,9

Davao



Siargao

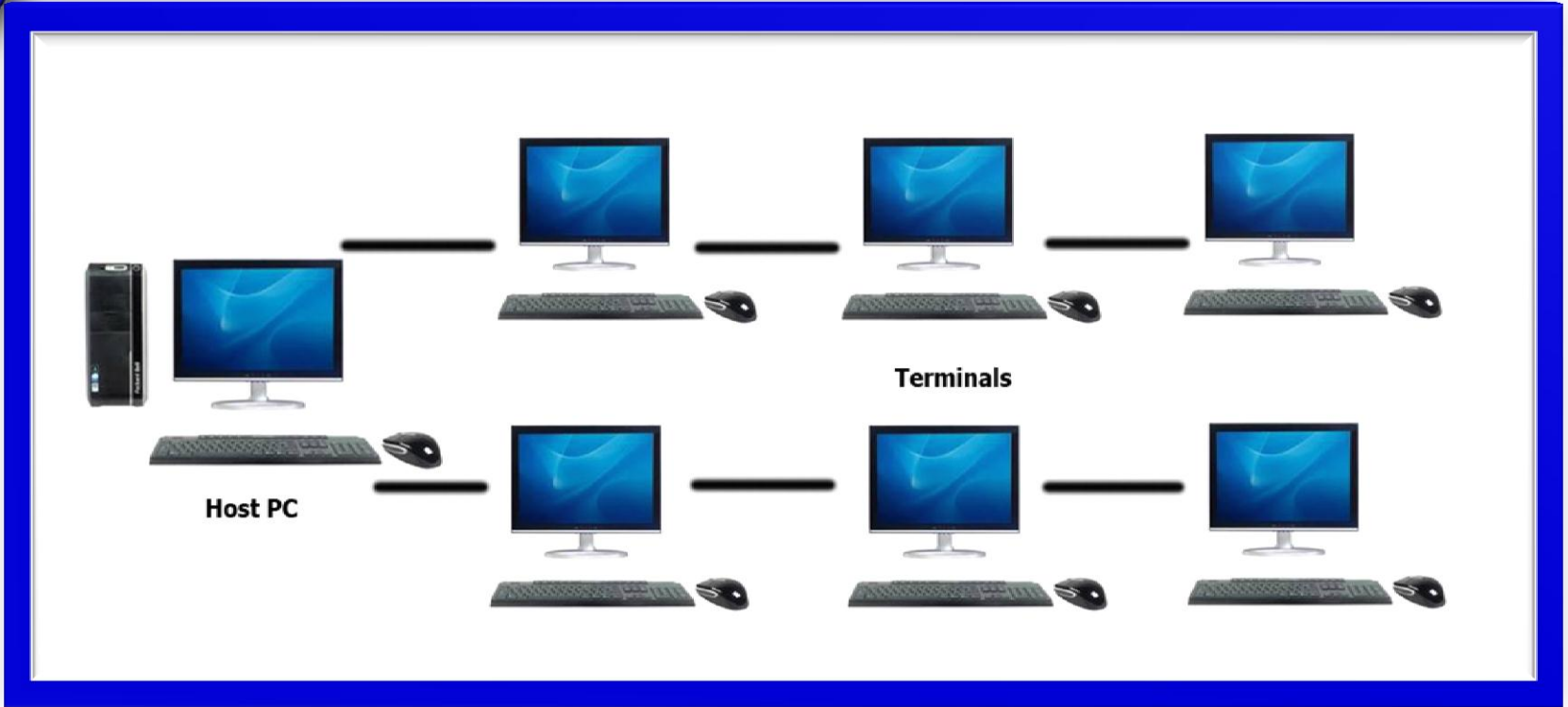


Gen. Santos





SHARED COMPUTING TECHNOLOGY



DCP Batch 6 & 7

e-Classroom Package (Elementary)

Qty	Specification
1	Host PC (Branded and Brand new)
6	17" LCD Monitor (Branded and Brand new)
6	Keyboard and Mouse (Branded and Brand new)
2 Kits	Desktop Virtualization Kit using shared computing technology (Branded and Brand new) 1 PCI card with 3 terminal ports 3 access devices
1	UPS (Branded and Brand new)
1	Interactive Whiteboard (Branded and Brand new)
1	3-in-1 Inkjet Printer (Branded and Brand new)
1	LCD Projector (Branded and Brand new)
Set	Face to face lecture and hands-on training for Desktop Computer, Interactive Whiteboard and Desktop Virtualization using Shared computing technology

DCP Batch 6 and 7

Interactive Whiteboard and 7 Terminals





Manuel L. Quezon, BAGUIO



Laoag City



DCP Batch 8 TVHS

Quantity	Specification
8	Host PC (Branded and Brand New) Operating/Application System: Windows OS 7 Office Professional 2010 Perpetual VL Academic Edition Pre-installed Anti-virus Software one year license Digital Learning Resources
42	17" LCD Monitor (Branded and Brand New)
42	Keyboard and Mouse (Branded and Brand New)
42	Desktop Virtualization Kit using shared computing Technology (Branded and Brand New)
8	UPS (Branded and Brand New)
1	Wireless Broadband Router (Branded and Brand New)
1	Network Printer (Branded and Brand New)
1	24 ports switch 10/100 Mbps (Branded and Brand New)
1	Face to face lecture and hands-on training for Desktop Computer, Interactive Whiteboard and Desktop Virtualization using shared Computing Technology



DCP Batch 8: TVHS: 50 terminals

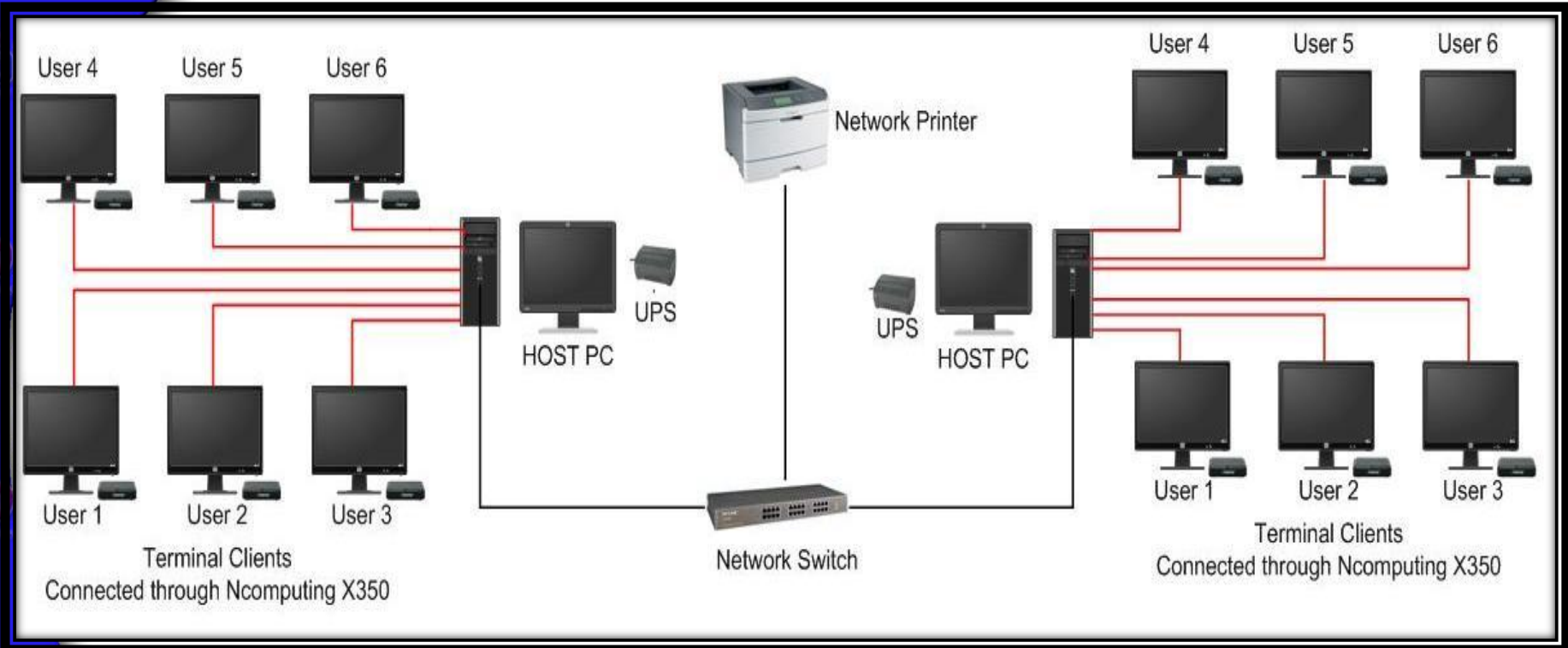


DCP Batch 12: 150 Terminals

Quantity	Specification
24	Host PC (Branded and Brand New) Operating/Application System: Windows OS 7 Office Professional 2010 Perpetual VL Academic Edition Pre-installed Anti-virus Software one year license Digital Learning Resources
126	17" LCD Monitor (Branded and Brand New)
126	Keyboard and Mouse (Branded and Brand New)
126	Desktop Virtualization Kit using shared computing Technology (Branded and Brand New)
24	UPS (Branded and Brand New)
3	Wireless Broadband Router (Branded and Brand New)
3	Network Printer (Branded and Brand New)
2	24 ports switch 10/100 Mbps (Branded and Brand New)
1	Face to face lecture and hands-on training for Desktop Computer, Interactive Whiteboard and Desktop Virtualization using shared Computing Technology



10 classrooms with 14 terminals each and 1 classroom with 7 terminals and 3 extra host computers



HS with more than 9,000 student population 15 schools



DCP Batch 12: 150 Terminals



Marcelo H del Pilar, Malolos City



Batangas NHS



DCP Batch 8: Laptop for Mobile Teachers

Mobile Teachers	
Qty	Specification
1	Laptop Unit (Branded and Brand new)
	Operating/Application System: Windows OS Office Professional 2010 Perpetual VL Academic Edition Digital Learning Resources Pre-installed Anti-virus Software one year license





DCP Batch 8: Laptop for Mobile Teachers





DCP Batch 10: Unenergized HS

Un-energized Schools

11	Laptop Branded and Brand new
	Operating/Application System: Windows OS Office Professional 2007 Perpetual VL Academic Edition Pre-installed Microsoft Encarta Premium 2008 Pre-installed Anti-virus Software one year license Open Desk Kit (Free Open source resources)
2	Portable Solar Power Supply
11	12-cell extended Battery pack
1	3-in-1 Inkjet Printer (Branded and Brand new)
1	Wireless Broadband Router (Branded and Brand new)
Set	Face to face lecture and hands-on training for Laptop Computer and Portable Solar Power Supply



DCP Batch 10: Unenergized HS



2 units



11 units



DCP For FY 2010

Batch	Particulars	Number of schools
Batch 13	Augmentation HS with more than 2,000 students (50 terminals)	562
Batch 14	ES w/ enrollment 350-899 pupils	3,121
Batch 15	Mobile Teachers	866
TOTAL		4,549

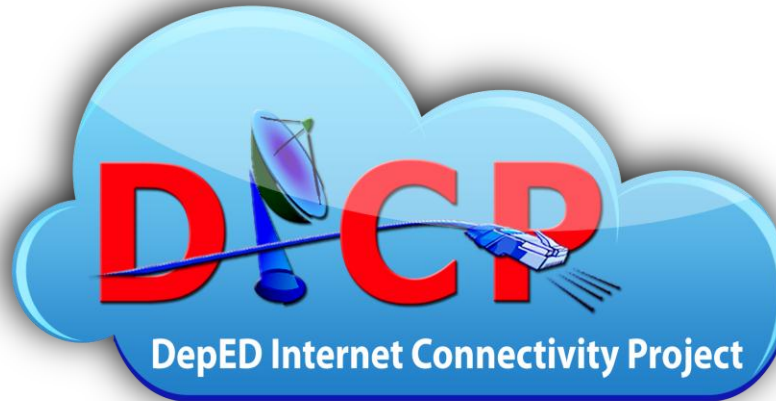


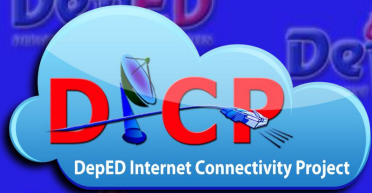
DCP For FY 2011



Batch	Particulars	Number of schools (BEIS SY 10-11)
16	E-Classroom for ES nationwide with 499-372 Pupils	3,134
17	Laboratory Equipment for 75 HS with enrollment more than 5,000 up to 9,000 Students	75
18	Additional ICT Equipment from Batch 1 to 3 of DCP	623
19	Computer Laboratory Equipment for 424 Newly Created HS	424
20	Conversion of 280 ALS Modules to C++ for Mobile Learning	
TOTAL		4,256

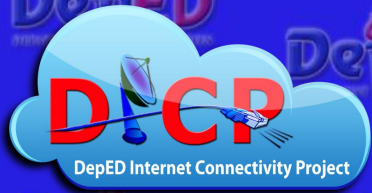
Implementation of the DepED Internet Connectivity Project





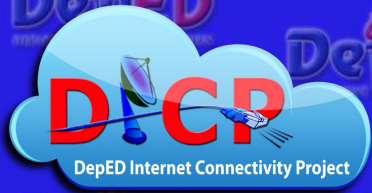
DepED Orders on the Implementation of the DICP

- 1. DO. 50 s, 2009: Launching The Deped Internet Connectivity Project And Directing All Public High Schools To Subscribe To Internet Connectivity Services**
- 2. DO. 113 s, 2009: Guidelines For The Transfer Of Funds For The Deped Internet Connectivity Project (DICP)**



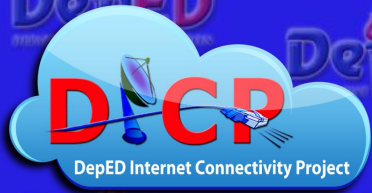
DepED Orders on the Implementation of the DICP

- 3. DepED Order No. 115 s.2010 ADDENDUM
TO DEPED ORDER NO. 113, S. 2009
(Guidelines for the Transfer of Funds for
the DepEd Internet Connectivity Project
(DICP))**



DepED Orders on the Implementation of the DICP

- 4. DepED Order No. 112 s. 2010: Extension Of The Implementation Of The Deped Internet Connectivity Project (DICP) And Guidelines For The Transfer Of Funds For Secondary Schools Connected Only By Satellite Companies.**

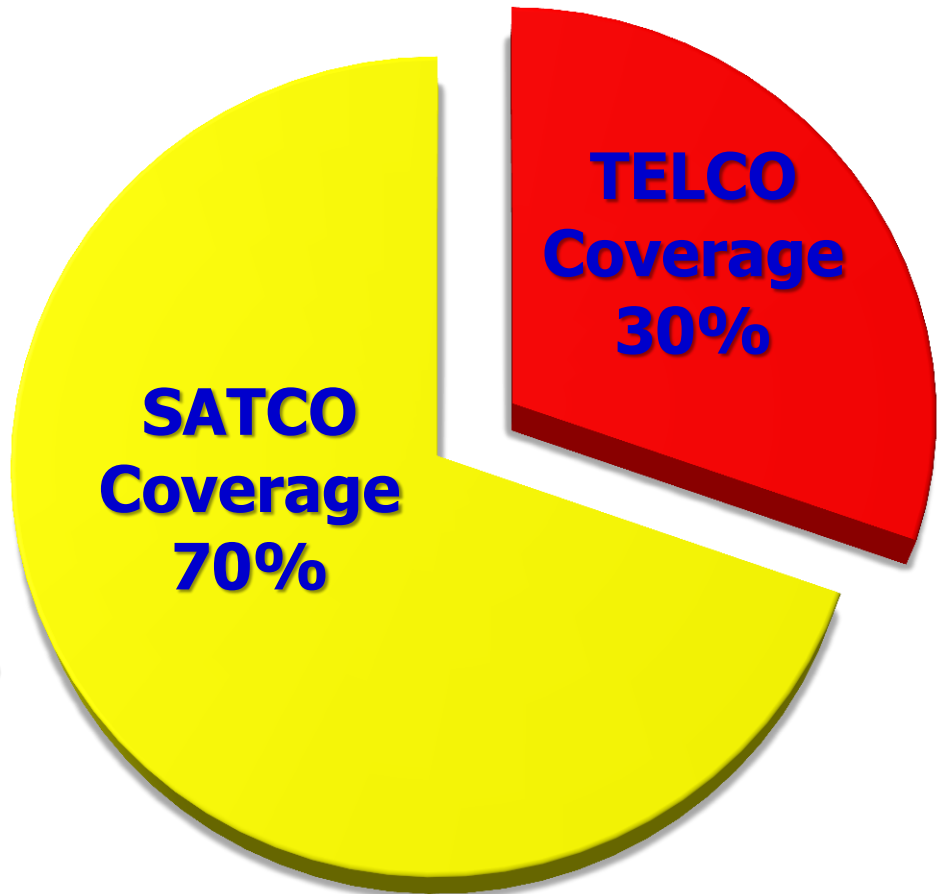


DepED Orders on the Implementation of the DICP

- 4. DepED Order No. 46 s. 2011: REVISED GUIDELINES IN THE IMPLEMENTATION OF THE DEPED INTERNET CONNECTIVITY PROJECT (DICP)**

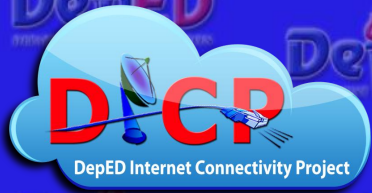


ISP Coverage (May 15, 2009)



Per TELCO Submission of Initial Table Evaluation





BREAKDOWN AS OF DECEMBER 31, 2010

HS with Sub-ARO's issued after contract submission	3,006
HS connected but no Sub-ARO from DICP	1,789
HS not yet connected	2,224
TOTAL	7,019



Internet Allocation per Secondary School

- **Php 48,000.00 per year TELCO**
- **Php 96,000.00 per year SATCO (Initial Year)**



Within the coverage of the Telecommunication Companies

**For schools with at least 10
computers, the required download
speed is up to 4Mbps with 256 Kbps
Committed Information Rate (CIR).
The type of connection can be wired
or fixed wireless**



Outside the coverage of the Telecommunication Companies

For schools with at least 10 computers they shall connect through satellite broadband internet service. The required Committed Information Rate (CIR) is 64 kbps uplink and 256kbps (burst) downlink.

ICT Programs and Project of DepED

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