



Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<p align="center">Title of the measure Diversion of E-10-B exchange load from low efficiency conventional power plant to existing partially loaded high efficiency SMPS power plant.</p>	Sector			
Year to be filled by BEE		Technology			
<p>Description of the energy conservation measure: The 50 KW load of E-10-B exchange has been shifted from conventional power plant (efficiency=75%) to partially loaded existing SMPS power plant (efficiency=90%). The saving obtained was 97324 units per year.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<p>Agency that executed the project (with complete address and email): Executive Engineer (E), IV floor, CTO Bldg., CTO compound civil lines Nagpur-440001. Contact no.-(1) Office:- 07122530443; (2) Residence:-07122531122@; Cell no.:- 9422102348 e-mail1:- devasthalisr@yahoo.co.in ; e-mail2:- sahasdevasthali@yahoo.com</p>					
Total investment, Rs.:0			Year of implementation:2006-07		
First year energy cost savings, Rs.:389296					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	583942				
Energy consumption after	486618				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.00				
<p>Company complete address: Bharat Sanchar Bhavan Harish Chandra Mathur Lane Janpath, New Delhi-110 001 Contact person who could be contacted for more information: Suhas R. Devasthali, Executive Engineer (E), IV floor, CTO Bldg., CTO compound civil lines Nagpur-440001. Contact no.-(1) Office:- 07122530443; (2) Residence:-07122531122@; Cell no.:- 9422102348 e-mail1:- devasthalisr@yahoo.co.in</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date:-8/11/2007</p>	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<p style="text-align: center;">Title of the measure Diversion of EWSD exchange load from low efficiency conventional power plant to existing partially loaded high efficiency SMPS power plant.</p>	Sector
Year to be filled by BEE		Technology

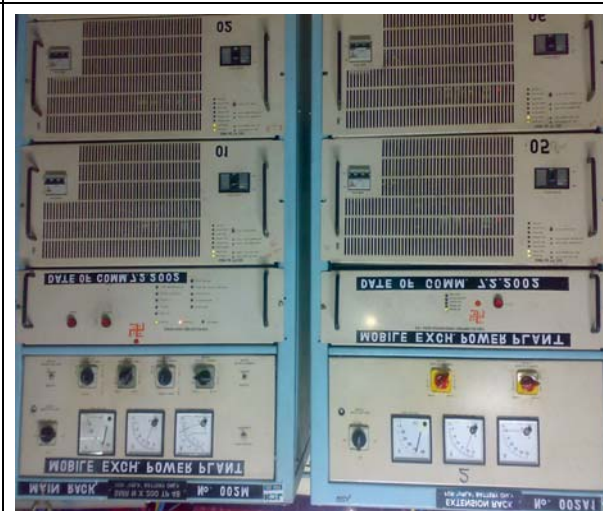
Description of the energy conservation measure:

The 30 KW load of EWSD exchange has been shifted from conventional power plant (efficiency=75%) to partially loaded existing SMPS power plant (efficiency=90%). The saving obtained was 58394 units per year.

Picture/ sketch/ drawing before modification
(if available)



Picture/ sketch/ drawing after modification



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e-mail1:- devasthalisr@yahoo.co.in ; e-mail2:- suhasdevasthali@yahoo.com

Total investment, Rs.:0

Year of implementation:2006-07

First year energy cost savings, Rs.:233576

First year other savings, Rs.:

On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	350394				
Energy consumption after	292000				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.00				

Company complete address:
Bharat Sanchar Bhavan
Harish Chandra Mathur Lane
Janpath, New Delhi-110 001
 Contact person who could be contacted for more information:
Suhas R. Devasthali, Executive Engineer (E), IV floor, CTO Bldg., CTO compound civil lines Nagpur-440001.
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Date:-8/11/2007

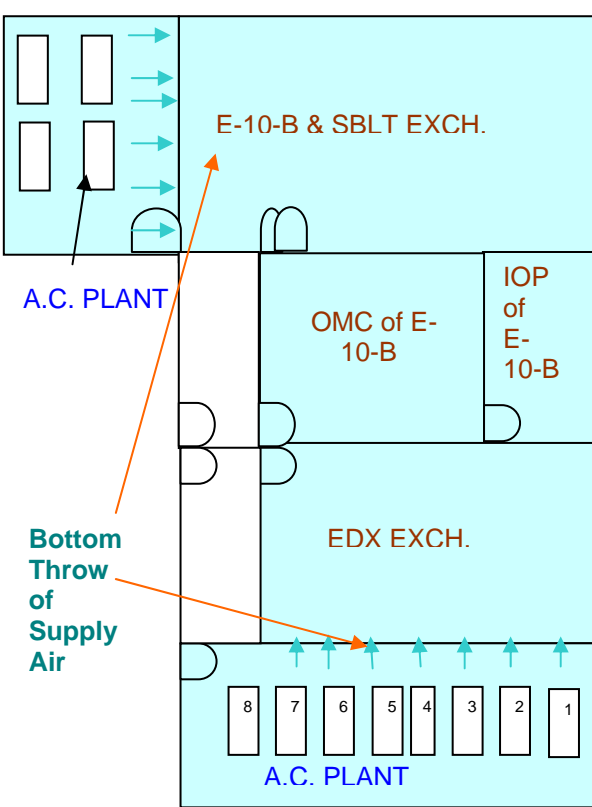
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ID to be filled by BEE	Title of the measure Rearrangement of A.C.plant used for E-10-B & EDX switch rooms.	Sector
Year to be filled by BEE		Technology

Description of the energy conservation measure:

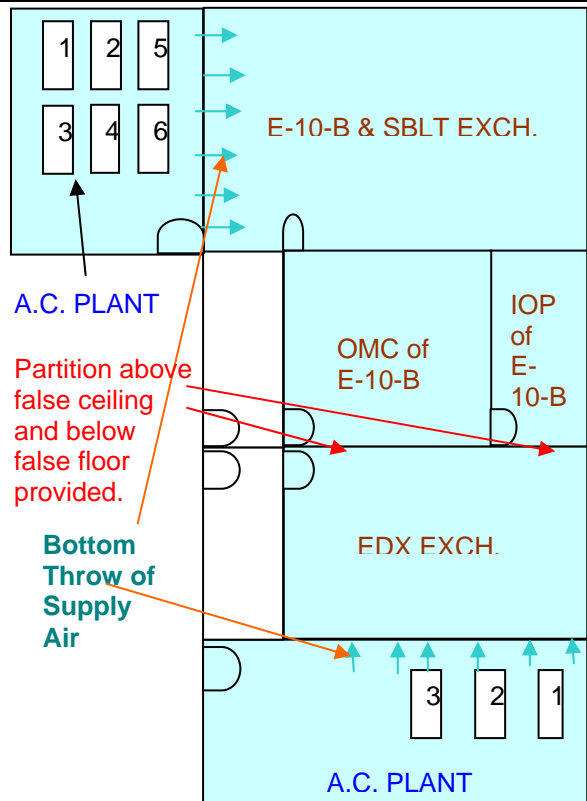
In E-10-B+EDX Switch room two plants i.e.4x7TR of M/s. Singhsons and (6+2)x7TR of M/s. Batliboi have been clubbed together to maintain conditions making the plant (10+2)x7TR.The supply air direction of both the A.C. plants were perpendicular to each other. In switch room false floor and false ceiling is there. Bunch of cables have been passed beneath the false floor, perpendicular to the supply air path which restricted the supply air flow and to maintain the temperature in E-10-B Exchange higher C.F.M. required which has been got by running additional package. This resulted into the lower temperature (16oC) in EDX Exchange. The supply Air path and return air path increases unnecessary for Batliboi Plant. To overcome the problem both the switch room have been separated by providing partition below false floor and above false ceiling. According to the heat load of both the switch rooms the packages have been rearranged and made two separate plants (i) (4+2)x7TR for E-10-B, (2)(2+1)x7TR for EDX Exchange. By this we got 3 Nos. packages spare.

Picture/ sketch/ drawing before modification
(if available)



Plant Size=>(10+2)X7TR=70TR

Picture/ sketch/ drawing after modification



Plant Size=>(4+2)X7TR+(2+1)X7TR =42TR

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 e-mail1:- devasthalisr@yahoo.co.in ; e-mail2:- sahasdevasthali@yahoo.com

Total investment, Rs.:85000/-

Year of implementation:2006-07

First year energy cost savings, Rs.:441504/-					
First year other savings, Rs.:					
On annual basis	KWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	772632				
Energy consumption after	662256				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.00				
Company complete address: Bharat Sanchar Bhavan Harish Chandra Mathur Lane Janpath, New Delhi-110 001 Contact person who could be contacted for more information: Suhas R. Devasthali, Executive Engineer (E), IV floor, CTO Bldg., CTO compound civil lines Nagpur-440001. Contact no.-(1) Office:- 07122530443); (2) Residence:-07122531122@; Cell no.:- 9422102348 e-mail1:- devasthalisr@yahoo.co.in				We authorise Bureau to use this information for dissemination Signature Date:- 8/11/2007	

Energy Conservation Measure implemented in 2006-2007

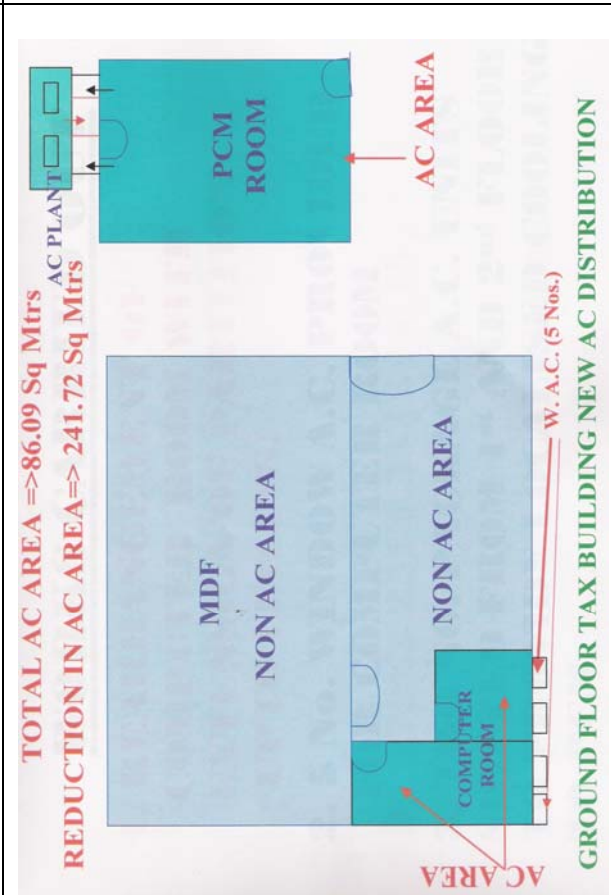
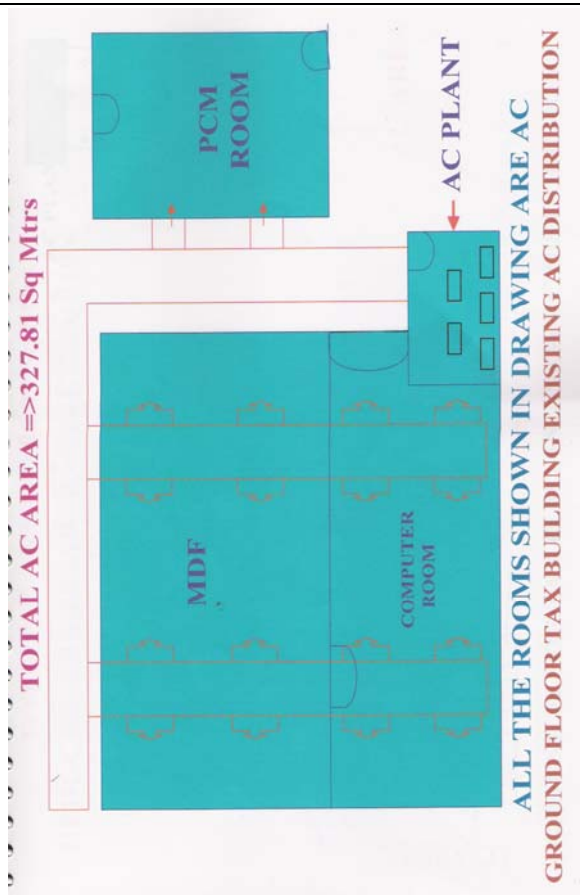
ID to be filled by BEE	<p style="text-align: center;">Title of the measure Rearrangement of Air Conditioned space in MDF, Computer room and PCM room.</p>	Sector
Year to be filled by BEE		Technology

Description of the energy conservation measure:

(i)The MDF rooms technical requirement is dust free atmosphere and not the temperature. Therefore this area was converted into non-A.C. area and the ventilation provided by installing the wall fans and air circulators.(ii)The computer room was working for 10 Hrs. in a Day, whereas the PCM room required round the clock A.C. The A.C. provided to PCM room by installing (1+1) X 7 TR package A.C. plant in the room nearest available. The A.C. provided to computer room after rearranging the haphazard installation of computers by 5x1.5 TR window type A.C. By this the space was segregated according to the time of working. The (3+2) X 7TR plant was replaced by (1+1)x7TR plant and 4x1.5TR WAC. The A.C. area was reduced by 241.72Sq. mtrs. However the measure was implemented such a time of year that only 70% saving was realised in that year.

Picture/ sketch/ drawing before modification
(if available)

Picture/ sketch/ drawing after modification



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Total investment, Rs.:210000/-

Year of implementation:2005-06

First year energy cost savings, Rs.: 633766/-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	331128				
Energy consumption after	123336				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	3.05				
Company complete address: Bharat Sanchar Bhavan Harish Chandra Mathur Lane Janpath, New Delhi-110 001				We authorise Bureau to use this information for dissemination	
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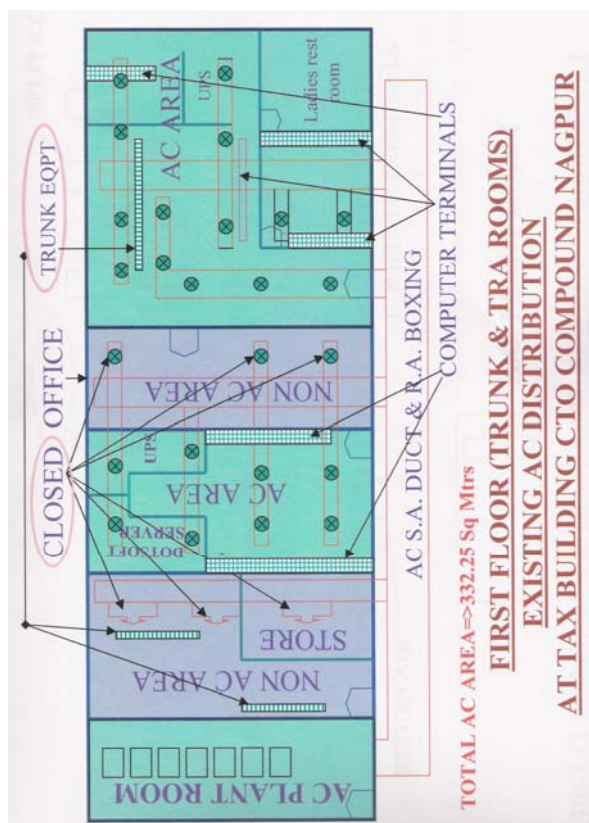
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ID to be filled by BEE	Title of the measure Rearrangement of Air Conditioned space in Trunk room, TRA room and Dot soft server room.	Sector
Year to be filled by BEE		Technology

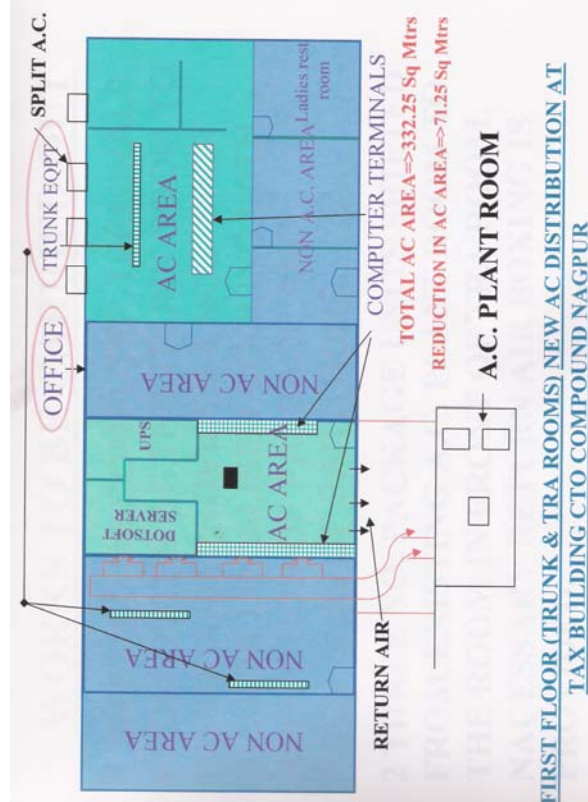
Description of the energy conservation measure:

Non A.C. area of office and microwave office and store were sandwiched between A.C. area of Trunk room and TRA room and between TRA room and A.C. plant room respectively. The trunk room operates 10 Hrs and the area available was large due to haphazard installation of computers. The trunk room operated 10 Hrs. in a day, whereas the requirement was round the clock for TRA and Dotsoft server room. The area of Trunk room was reduced by rearrangement of computer terminals and same was air-conditioned through 4x2 TR split A.C. The TRA and Trunk room was air-conditioned by providing (2+1)x7 TR plant in the room opposite to it. The Supply air ducting was installed for new plant whereas old return air boxing, A.C. packages and Panel were used. Hence the (5+2)x7TR A.C. plant was replaced by (2+1)x7TR A.C. plant and 4x2 TR split A.C.'s and got the reduction of 71.25 Sq. Mtrs. of A.C. space. However the measure was implemented such a time of year that only 70% saving was realised in that year.

Picture/ sketch/ drawing before modification
(if available)



Picture/ sketch/ drawing after modification



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Total investment, Rs.:200000/-

Year of implementation:2005-06

First year energy cost savings, Rs.:228439/-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	306600				
Energy consumption after	231702				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	3.05				
Company complete address: Bharat Sanchar Bhavan Harish Chandra Mathur Lane Janpath, New Delhi-110 001				We authorise Bureau to use this information for dissemination	
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