


Certified Energy Auditors / Certified Energy Managers under EC Act 2001
(Employed in power stations)

	<ol style="list-style-type: none"> 1. Power Plant Name 2. Location 3. State/UT 4. Power Plant Capacity 	<p><i>Panki Thermal Power Station</i> Panki, Kanpur 208020 Uttar Pradesh 2x110 MW (De-rated to 2x105 MW)</p>
A.	<p>Photograph</p> <p style="text-align: center;"><i>Vivek Asthana</i> <i>MIE</i> <i>M.Tech. Mechanical Engineering</i> <i>(Fluid Mechanics & Thermal Sciences Stream)</i> <i>Certified Energy Auditor (BEE)</i></p>	
B.	<p>Personal Details:</p> <ol style="list-style-type: none"> 1. Name : 2. Regd. No. (EM/EA)/ Year of passing: 3. Designation: 4. Qualifications: 5. Email Address: 6. Web page: 7. Blog: 8. Complete postal address 9. Fax No: 10. Ph. No: 	<p><i>Vivek Asthana</i> EA- 7193 Year: 2007</p> <p>Assistant Engineer M.Tech. viana29@rediffmail.com www.asthana.net.in vivekasthanablog.blogspot.com D-2 / Type IV, H.B.T.I. Colony (West Campus), Nawabganj, Kanpur 208002</p> <p>0512-2261066 (Office)</p> <p>9415900351 (Mbl) 0512-2261066 (Office) 0512-2582288 (R)</p>
C.	<p>Total experience in years</p> <p>Energy Management related experience details</p>	<p>Twenty Years</p> <p>Four Years</p> <ul style="list-style-type: none"> •Preparation of reports for projects of energy efficiency & performance improvement. •Publications & other research

		related to energy efficiency & performance optimization.
D.	Area of Specialization	<ul style="list-style-type: none"> • Thermodynamics of coal power plants. • Exergy analysis of coal power plants. • Heat Transfer Enhancement. • Efficiency monitoring & improvement at coal fired power plants. • Renovation & Modernization at coal fired power generating units. • Maintenance planning at coal fired power plants.
E.	Major Achievements	<p>Associated with preparation of project report & execution of Renovation and Modernization scheme for 2x110 MW units known as “Crash program for 2x110 MW units”. The scheme was prepared during 2000 and executed during 2003-2006 with some modifications in original scheme resulting in net performance improvement of the plant especially in drum type ball mills.</p> <p>Looked after the maintenance planning of 2x110 MW units including implementation & monitoring of maintenance planning schedules, condition monitoring and reliability & efficiency management during 2005-2007. This resulted in an improvement in the condition of plant with reduced trippings, partial loadings & forced outages.</p> <p>Associated with implementation of PIE (Partnership in Excellence) program of Ministry of Power, Government of India, at Panki Thermal Power Station,</p>

		<p>since the beginning of the program in Jul 2005. The program resulted in an improvement in running performance of plant with improved PLF & reduced oil consumption. During current phase of program (Oct 07 – May 08), Panki Thermal Station has achieved ever highest values of many of the performance parameters since its inception including maximum average loading on the units, Monthly PLF of the plant, Monthly PLF of individual units, Daily generation of the plant, daily generation & daily PLF of unit no. 4.</p>
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