

## Status of CDM projects

(Updated on 12th May 2014)

				by Rubab Khan		
		<b>Pakistan DNA</b>		<b>CDM Executive Board</b>		
S.NO	PROJECT TITLE	LoA/ LoI	HCA	Submitted PCF	Registe red	Issuance of CERs
<b>Year 2006</b>						
1	Catalytic Abatement of Nitrous Oxide at the Tail Gas End of the Nitric Acid Plant of the Pakarab Fertilizers Limited, Multan	-	✓		✓	3738028
<b>Year 2007</b>						
2	Landhi Cattle Waste Management Project		✓		✓	information not available
3	84 MW New Bong Escape Hydropower Project.		✓		✓	information not available
<b>Year 2008</b>						
4	Pakarab Fertiliser Co-generation Power Project Version 02		✓	✓	✓	56547
5	Maple Leaf Generator Change Project, Maple Leaf Cement Factory Limited, Iskanderabad, Daud Khel, Pakistan.	✓	✓	✓		
6	Fuel Switch and Energy Efficiency Project at Prosperity Weaving Mills limited (PWML), Lahore, Pakistan. Version 1.	✓	✓			
7	Construction Of Additional Cooling Towers at AES Lalpir.	✓	✓	✓	✓	41080
8	Almoiz Bagasse Cogeneration Project.	✓	✓	✓	✓	information not available
9	Fuel Switch to a less carbon intensive fuel at SFS Pvt. Ltd, Pakistan. Version 01.	✓	✓	✓		

<b>10</b>	Community Based Renewable Energy Development in Northern Areas, Pakistan.	✓	✓	✓	✓	<b>6107</b>
<b>11</b>	Gul Ahmed Combined Cycle Gas Turbine Project Version 01.	✓	✓	✓	✓	<b>information not available</b>
<b>12</b>	Installation / commission of new power plant of 7.6 MW using gas and waste heat recovery from boiler instead of HFO or coal for avoidance of carbon dioxide at Sitara Chemical Industries Limited, Faisalabad, Pakistan	✓		-		
<b>13</b>	Replacing GHG avoidance from the highly polluting centuries old technology used in the brick kilns in Pakistan by new Vertical Shaft Brick Kilns (VSBK)	✓		-		
<b>Year 2009</b>						
<b>14</b>	Composting of Organic Content of Municipal Solid Waste in Lahore	✓	✓	✓	✓	<b>133555</b>
<b>15</b>	Installation of natural gas based cogeneration system at Century Paper & Board Mills Ltd., Pakistan Version 01	✓	✓	✓		
<b>16</b>	Waste heat recovery and utilization project at Cherat Cement Factory Ltd., Nowshera Pakistan. Version: 01.	✓	✓	✓		<b>rejected</b>
<b>17</b>	ICI Polyester Co-generation Project, Version 01.	✓	✓	✓	✓	<b>information not available</b>
<b>18</b>	Waste Heat Recovery and Utilization for Power Generation at Maple Leaf Cement Factory Limited, Iskanderabad, Pakistan. Version. 01.	✓	✓	✓	✓	<b>information not available</b>
<b>19</b>	Reduction of Heavy Fuel Oil usage for Power Generation at Lucky Cement, Pezu, Pakistan, Version, 02.	✓	✓	✓	✓	<b>information not available</b>

20	Waste Heat Recovery based 15 MW Power Generation Project at Bestway Cement Limited, Chakwal, Pakistan.	✓	✓	✓	✓	information not available
21	Unicol Distillery Project			✓		
22	Waste Heat Recovery Power Plant at Fecto Cement Limited	✓	✓	✓		
23	Fuel Switch project at Sapphire Finishing Mills Limited	✓	✓	✓	✓	information not available
24	Installation / commission of a water treatment plant for avoidance of methane at Shahmurad Sugar Mills Limited Pakistan	✓		-		
25	Methane Avoidance Project at Abdullah Sugar Mills Limited	-		✓		
26	Methane avoidance project at Habib Sugar Mills Limited	-		✓		
27	Methane avoidance project at Pinnacle Distilleries Private Limited	-		✓		
28	Installation / commission of Power Generation Project of 50 MW using bagasse, rice husk, cane trash for avoidance of carbon dioxide at Shahmurad Sugar Mills Limited Pakistan	✓		-		
29	Electrification and mechanical efficiency of mills house for avoidance of carbon dioxide at Shahmurad Sugar Mills Limited Pakistan	✓		✓		
30	Installation / commission of ethanol dehydration unit for avoidance of carbon dioxide at Shahmurad Sugar Mills Limited Pakistan	✓		-		

31	To generate clean and economical hydro electric power by using head for electric generation instead of using HFO or coal base power generation for avoidance of carbon dioxide at Karot upstream of Mangla at River Jhelum, Pakistan	✓		-		
32	Substituting Fossil Fuel through the Production and Consumption of Recycled Fuel from Waste Tires Pyrolysis at Lahore, Pakistan	✓		-		
33	Grid Connected Combined Cycle Power Plant Project in Qadirpur Utilizing Permeate Gas, Previously Flared	✓	✓	✓	✓	awaiting issuance request
34	100 MW GULPUR HYDROPOWER PROJECT	-		✓		
35	Green Power Pvt Ltd wind project situated in KHUTI KUN, MIRPURSAKRO, DISTRICT THATTA , PROVINCE OF SINDH, PAKISTAN	-		✓		
36	49.5 MW wind farm project situated in KHUTI KUN, MIRPURSAKRO, DISTRICT THATTA , PROVINCE OF SINDH, PAKISTAN	-		✓		
37	Green Power Pvt Ltd wind project situated in KHUTI KUN, MIRPURSAKRO, DISTRICT THATTA , PROVINCE OF SINDH, PAKISTAN	-		✓		

38	To develop a renewable energy project having 3.2 MW of generation capacity through hydro power by using water head for electric generation instead of using HFO or coal based power generation for avoidance of carbon dioxide at Machai Branch Canal, District Mardan, NWFP Pakistan	✓		✓		
39	Methane avoidance from industrial waste water at Colony Sugar Mills Limited, Pakistan	✓	✓	✓		
40	Capturing CO2 from Tail Gas and substituting Fossil based CO2 consumption in down stream in Colony Sugar Mills, Limited, Phalia, District Mandi Bahauddin, Punjab Pakistan	✓	✓	-		
41	Installation of Energy Efficient Products and Technologies for CO2 Emission Reduction in Chitral District of Northern Pakistan.	✓	✓	-		
42	Installation of energy efficient products and technologies for CO2 emission reduction in Gilgit and Ghizer District of Northern Pakistan	✓	✓	-		
43	To develop a hydro power project having 100 MW of generation capacity through hydro power by using water head for electric generation instead of using fossil fuel or avoidance of carbon dioxide at Punch river near, Kotli, Azad Jammu Kashmir	✓		✓		
44	*LESCO Energy Efficiency-CFL Distribution	✓		-		
45	Emission Reduction project by addressing steam generation on biomass at Sapphire Finishing Mills Ltd Raiwind Road Lahore Punjab Pakistan	✓	✓	-		

46	Reduction of Methane Release & Emission from CNG Activities	✓		-		
47	Reduction of Heavy Fuel Oil usage for Power Generation at Lucky Cement, Pezu, Pakistan, Version, 02.	✓	✓	✓		
48	Pakistan Domestic Biogas Programme (PDBP) CDM (PoA)	✓	✓	✓	✓	information not available
49	Pakistan Poverty Alleviation Fund-CO2 Abatement	✓		-		
50	10 MW FFC Cogeneration Project at Mirpur Mathelo, Ghotki, Pakistan.	✓	✓	-		
51	Zephyr 50 MW wind IPP	-		✓		
<b>Year 2010</b>						
52	Biogas-based Cogeneration Project at Shakarganj mills lahore pakistan	✓	✓	✓	✓	information not available
53	Biomass Based Energy Generation for Kohinoor Mills Ltd at Kasur Pakistan	✓	✓	✓		
54	Biomass based Cogeneration project for Madina Enterprise Limited.	✓	✓			
55	*Phander Hydro Electric Power Project (WAPDA)	-	-	✓		
56	*Kohala Hydro Electric Power Project (WAPDA)	-	-	✓		
57	Substitution of fossil fuels with renewable fuels at The Crescent Textile Mills Ltd. Faisalabad, Pakistan	-		✓		
58	GHGs Reduction through Optimizing Fossil-Fuels Mix and Utilizing Low Carbon Intensive Fuels at Lahore Sarghodha Road, Bahuman Hafizabad, Punjab Pakistan	✓		-		
59	Supply side energy efficiency improvements in steam generation at AATML & IDML.	✓	✓			

60	DHCL Gas Turbine based Cogeneration Project.	✓	✓	✓	✓	information not available
61	Compost from Municipal Solid Waste in Peshawar, Pakistan.	✓	✓	✓	✓	information not available
62	Fuel Substitution of Coal with Alternate Fuel at DG Cement Khairpur Plant at Karrar, District Chakwal, Pakistan	✓		✓		
63	FCC Cogeneration Project at Mirpur Mathelo, Ghotkhi,	✓	✓	✓		
64	Sapphire 49.5 MW Wind Farm Project.	✓	✓	✓	✓	information not available
65	Biomass Waste Energy Generation at Master Textile Ltd.	✓	✓	✓		
66	Biomass based cogeneration in Engro Foods Supply Chain (Pt) Ltd IRPC (Integrated Rice Processing Complex) Muridke,	✓	✓	✓	✓	information not available
67	Zorlu Enerji Wind Project	✓	✓	✓	✓	information not available
68	Energy Optimization Solutions for Industries in Pakistan- Programme of Activities (PoA)	✓		-		
69	Waste Heat Recovery CDM Project at Attock Cement Pakistan Ltd at Hub Chowki,	✓	✓	✓	✓	awaiting issuance request
70	720 MW Karot Hydropower Project	✓	✓	✓		
71	Small Hydropower Development Punjab Pakistan Grid Connected Renewable Project (24.8 MW)	✓		-		
72	Small Hydropower Development Project in KP Pakistan Grid Connected Renewable Projects	✓		-		
73	Cattle Waste Management Project through Programme of Activity (PoA) in Pakistan	✓		-		
74	MSW project in Quetta .	✓	✓			

75	Patrind Hydropower Project 150 MW Gross Capacity	✓	✓	✓	✓	information not available
76	Lotte Go-Generation Power Plant at Karachi, Pakistan	✓		✓		
77	Sindh Municipal Waste to Energy PoA CDM Project	✓		-		
78	Improving Brick Kiln Efficiency through installation of Vertical Shaft Brick Kiln (VSBK) Technology in Brick Kilns through Programme of Activity (PoA) at Punjab Province Pakistan	-				
<b>Year 2011</b>						
79	*Shaheed Benazir Bhutto CNG Bus Project, Karachi, Pakistan	✓		✓		
80	*TARBELA 4TH EXTENSION HYDROPOWER PROJECT(wapda)	-		✓		
81	*Low head Hydropower Development Project, Punjab Pakistan(ppdcl)	-		✓		
82	*REHABILITATION OF RENALA HYDROPOWER PROJECT (wapda)	-		✓		
83	Installation of Combustion Improvement (CI) Homogenizers (LalPir ltd.)			✓		
84	Sachal Energy Development (Pvt) Limited	-		✓		
85	4.8MW Riali-II Hydropower Project, AJ&K	✓		-		
86	Substitution of coal with alternate fuels at Lucky Cement Karachi Plant	✓	✓	✓	✓	information not available



87	DGKCC Waste Heat Recovery and Utilization for 10.4 MW Power Generation at Dera Ghazi Khan Plant	✓	✓	✓	✓	awaiting issuance request
88	Construction of hydro power plant on GolenGolNullah	✓	✓	✓		
89	Installation of Sewage Treatment Plants under Programme of Activites (PoA) in Sindh Pakistan	✓		-		
90	Biomass based high pressure cogeneration project at Shakarganji Mills, Limited, Bhone, Pakistan	✓		✓		
91	Fatima N2O Abatement Project.	✓	✓	✓	✓	171471
92	Fatima Energy Limited 100 MW biomass based cogeneration power plant.	-		✓		
93	RANADHERI BELA 2.8 MW Hydropower Project (Bela power pvt. Ltd)	-		✓		
94	*Munda Dam Multipurpose (WAPDA)	-		✓		
95	*Bunji Hydropower Project	-		✓		
96	81.5 MW high pressure biomass-based cogeneration at JDW Sugar Mills Unit-I	-		✓		
97	Rehabilitation of JABBAN Hydroelectric Power Project	-		✓		
98	*KeyalKhwar Hydropower Project (WAPDA)	-		✓		
99	CDM Project through Energy Efficiency and other Possible Clean Energy an fuel Stitching Measuring in ECO Park Housing Scheme-Sheikhupura, Pakistan	✓		-		

100	Cholistan 50 MW Solar PV Grid Connected PoA-Pakistan	✓	✓	✓		
101	Rural Electrification in CDM Project under PoA in Pakistan	✓		-		
102	Energy Conservation Solutions for Industries in Pakistan (PoA)	✓		-		
103	Waste to Energy CDM Project under PoA in Pakistan	✓		-		
104	Domestic Biogas CDM Project under PoA in Pakistan	✓	✓	✓	✓	<b>information not available</b>
105	Energy Efficient Cooking Stoves for CO2 Emission Reduction for Rural Areas of Pakistan	✓		-		
106	Waste Heat Recovery and Utilization for Power Generation at Cement Factories of Pakistan under PoA	✓		-		
107	Pakistan Clean Brick Project under Programme of Activity (PoA)	✓		-		
108	Red Whale CDM Project	✓		✓		
109	Energy Efficient Project Jaranwala	✓		✓		
110	Clean Energy Project in Pakistan	✓		✓		
111	Efficient Cooking Stove Project	✓		✓		
112	EES Project in Jaranwala	✓		✓		
113	Waste Gas Recovery and Utilization Project in Pakistan	-		✓		
114	Dasu hydroelectric project	✓		✓		
115	Biomass-Coal based Steam Generation (Century Paper and Board Mills)	-		✓		

116	Installation of Variable Frequency Drives and Retrofitting of Condensers at LalPir Power Limited	-	-	✓		
117	Waste Heat recovery and utilization for power generation at DG Cement Khairpur Plant	✓	✓	✓	✓	information not available
118	Allia Khwar Hydropower Project.	✓	✓			
119	Waste Heat Recovery and Utilization for Power Generation at Lucky Cement Limited Pezu Plant	✓	✓			rejected
120	Waste Heat Recovery and Utilization for Power Generation at Lucky Cement Limited, Karachi Plan	✓	✓			rejected
121	Bio Gas Based Renewable Energy Projects, Pakistan	✓		-		
<b>Year 2012</b>						
122	PoA Solar PV in Pakistan	✓	✓	✓	✓	information not available
123	Chakothi-Hattian Hydropower Project	✓	-	✓		
124	Carbon Coactive Ltd. / Domestic Biogas Programme, CDM Program Activity	✓		-		
125	640 MW Azad Pattan Hydropower Project	✓	✓			
126	Bi Fuel Internal Combustion Engine-Emission Reduction (Retro Fit)	✓		-		
127	Energy Efficiency Improvement Project through Retrofitting of Steam Turbine at the LalPir Thermal Power Plants, Muzaffargarh, Pakistan	✓	✓	✓		

128	Re-energy-Waste to Energy Program, Mardan Khyber Pakhtunkhwa, Pakistan	✓		-		
129	Foundation Wind Energy-II (Private) Limited, Gharo, Sindh, Pakistan	✓	✓	✓	✓	information not available
130	Foundation Wind Energy-I (Private) Limited, Gharo, Sindh, Pakistan	✓	✓	✓	✓	information not available
131	*4320 MW Dasu Hydropower Project, Khyber Pakhtunkhwa, Pakistan	✓		✓ (2011)		
132	Metro Power Limited 50MW Wind Power Project Jhimpir, District Thatta, Sind, Pakistan	✓	✓	✓	✓	information not available
133	Gul Ahmed Wind Power Limited 50MW Wind Power Project Jhimpir District Thatta, Sind, Pakistan	✓	✓	✓	✓	information not available
134	Installation of Biomass Cogeneration Project at Bulleh Shah Paper Mill in Kasur, Pakistan	✓	✓	-		
135	Renewable Energy based PoA in Pakistan	✓	✓	✓	✓	information not available
136	national CFL project	✓	✓	✓	✓	information not available
137	Wellbeinggreen CFL Programm for Pakistan.	✓	✓			
138	50 MW windfarm project at yunus energy ltd	✓	✓	✓	✓	information not available
<b>Year 2013</b>						
139	Installation of Bio Gas Technologies for CO2 Emission Reduction in Lahore District of Central Pakistan	✓	-	-		

140	Installation of Bio gas Technologies for CO2 Emission Reduction in Okara District of Central Pakistan	✓	-	-		
141	Installation of Bio Gas Technologies for CO2 Emission Reduction in Sheikhpura District of Central Pakistan	✓		-		
142	Installation of Bio Gas Technologies for CO2 Emission Reduction in Taxilla District of Central Pakistan	✓		-		
143	50 MW Solar PV Power Plant in Yazman, Cholistan	✓	-	✓		
144	Waste Heat Recovery and Utilization for Power Generation at FAUJI CEMENT COMPANY LIMITED. Phase-1	✓	-	✓		
145	GHG Emission Reduction Manure and Waste Management System in Wan Miana, KotMomin, Sargodha, Pakistan	✓		-		
146	Lakhodair Landfill Waste to Energy Project, Lahore, Pakistan	✓	-	✓		
147	Energy Efficiency Improvement project through Retro Fitting of strem turbine at Lal Pir & Pak Gen Power Plant,Muzaffar Garh, Pakistan	✓	✓	✓	✓	<b>information not available</b>
148	CFL Cost-effective distribution programme in Pakistan.	✓	✓			
149	*Installation of 100,000 Biogas Supplemented Agriculture Tube Wells for Irrigation Purpose in Punjab	✓		-		

<b>Year 2014</b>						
<b>150</b>	Pakistan Karachi Windpower project	-	-	✓		
<b>151</b>	548MW Kaigah Hydropower project	✓	-	✓		
<b>152</b>	Caustic soda production capacity enhancement at Ittehad Chemicals Limited with state-of-the-art ION Exchange Membrane Technology	✓	-	-		
<b>153</b>	*100-MW Solar PV Power Plant of Quaid-e-Azam Solar Power (Pvt) Limited at Quaid-e-Azam Solar Park, Lal Sohanra, Cholistan, Bahawalpur, Pakistan			✓		
<b>154</b>	Recycling Plant for Synthetic fuel	✓				
<b>155</b>	49.6MW Windpower project at Jhimpur, Sindh	✓	-	✓		
<b>156</b>	United Energy Pakistan (UEP) Wind Farm	✓		✓		
<b>157</b>	*Rawalpindi/Islamabad Mass Transit System	✓				
<b>158</b>	*Mass Transit System in Faisalabad, Pakistan	✓				
<b>159</b>	*Mass Transit System in Multan, Pakistan	✓				
<b>160</b>	Conservation of Junipers forests of Balochistan by providing alternates to local communities	✓		✓		

<b>161</b>	Three Gorges Pakistan First Wind Farm Jhimpir, Sindh Pakistan	✓		✓		
<b>Total</b>			<b>67</b>	<b>102</b>	<b>37</b>	<b>4146788</b>
* Public Sector Projects=17						
source: <a href="http://cdm.unfccc.int/">http://cdm.unfccc.int/</a>						

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