



Experimental Analysis of Coal Water Slurry Technique

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Abstract—Pakistan has many energy sources; coal is one of the major mineral resources which can be used as an energy source. The work has been done on coal available in Balochistan province. Different methods can be used to gain the energy from the coal and one of them is the slurry technique. Coal-water slurry creates 78% less pollution than other methods and can be referred to as clean coal technology. In this experimental work combustion tests using coal-water slurry using the coal-water slurry technique for different coal, sizes have done. The Balochistan coal is best for power plants using CWS (Coal water slurry technique). The micron particle size of coal can be successfully combusted, it has been investigated that CWS technology 40 Micron particle size of coal can be successfully combusted using CWS technology. 50 The micron Particle size of coal can be successfully combusted using CWS technology and 30:70 coal water ratios could be used for sustainable combustion.

Keywords — Slurry, Environmental, Investigation, size