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NTPC
AND
ASH UTILIZATION
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National Thermal Power Corporation Ltd., the largest power utility of India, operates 14 coal based thermal power stations having total installed capacity of 17,685 MWs and 7 gas based power stations of total installed capacity 3,955 MW. This includes NTPC managed thermal power station at Badarpur of capacity 705 MW. Currently, these thermal power stations produce over 28 million tonnes of ash per year. About 20% of this ash is being gainfully utilized in various areas of applications. NTPC is committed to further promote use of ash. Substantial quantity of ash is utilized by NTPC in the areas of low lying area development, Ash dyke raising, issue to Cement and Asbestos industries, manufacture of building products, roads and embankment construction etc. NTPC has set up 13 Pilot-cum-Demonstration plants for manufacture of ash bricks at its thermal power stations. At Dadri, Ash Utilization Technology park has been developed. In the Ash Utilization Technology Park developed at Dadri, in addition to fly ash brick manufacturing, technologies for other ash based building products such as floor tiles, paving tiles, inter locking blocks, concrete door-window frames, roof tiles and cellular light weight concrete blocks etc. are demonstrated. In order to make available quality fly ash to cement and

Fly Ash bricks used in construction of NTPC township at Sipat
building products manufacturers, NTPC has set up dry fly ash collection and storage system in its almost all thermal power stations.

This booklet has been prepared to serve as a guide to prospective entrepreneurs and users of ash. The booklet covers salient information about NTPC’s thermal power stations, statistics about ash production and its quality, brief write up about various technologies available to utilize ash, list of equipment manufactures, technology suppliers etc. It may however be noted that list of various agencies/parties, manufacturers etc. as contained herein are indicative only and their capabilities have not been assessed by NTPC. The entrepreneurs are requested to approach these agencies for necessary details and to make their own assessment. For additional information entrepreneurs may please contact:

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