

CONTENTS

A. Expert Group Meeting on Micro Grids	6
1. AGENDA NOTE	7
2. POINTS OF DISCUSSION	9
3. SUMMARY RECORD OF DISCUSSION.....	10
4. MICRO GRIDS: RELIABLE POWER IN A SMALL PACKAGE	11
5. MICROGRID ENERGY STORAGE DEMONSTRATION.....	14
6. MICROGRID POWER STATIONS CAN ENSURE UNINTERRUPTED SUPPLY	17
7. RESEARCHERS PROPOSE POWER MICROGRIDS	18
8. MICRO-GRID SIMULATION DURING GRID-CONNECTED AND ISLANDED MODES OF OPERATION.....	20
9. ISLANDING.....	29
10. MICROGRIDS AS PEER-TO-PEER ENERGY	31
11. STATUS OF OVERSEAS MICROGRID PROGRAMS: MICROGRID RESEARCH ACTIVITIES IN THE U.S.	34
B. Expert Group Meeting on Smart Grids	42
1. POINTS OF DISCUSSION	46
2. SUMMARY RECORD OF DISCUSSION.....	47
3. SMART GRID	49
4. SMART GRID IS THE SMART THING TO DO	51
5. SMART GRID	53
6. SMART GRID	58
Additional Material Downloaded from Internet or Extracted from other sources	63
7. SMART METER	65
8. SMART POWER GRID	70
9. SMART GRID NEEDED FOR GREEN POWER	77
10. SMART METERING TECHNOLOGIES HELP REDUCE ENERGY THEFT	79
11. SMARTER ELECTRIC GRID COULD BE KEY TO SAVING POWER.....	81
12. THE SMART GRID	85