Company's Name	Project Description	Specialisation C
(Code)		
AGENCY FOR NON CO	NVENTIONAL	
ENERGY AND RURAL T	TECHNOLOGY	
(1001)	
	Performance Comparison of Compact Fluorescent Lamps	CNIT
	Improving Solar Distillation in Basin Solar Still	NCSL
	Wind Resource Assessment Program	NCWD
	Pulse charging technique for batteries -Experimentation	TEST
AMTECH ELECTRONIC	CS (INDIA) LTD	
(1002	
	Active Static VAR Compensator for Wind Mills	NCWD
	Active Harmonic Filter	TEIT
ANDREW YULE & COM	PANY LTD	
(1003	
	12KV,400A,12.5KA Oil filled vacuum autocloser	DEQP
	SCADA Compatibility with autocloser	DEQP
	Vacuum/SF6 insulated ring main unit	DEQP
	12KV,400A,12.5KA Oil filled vacuum autocloser of	DEQP
	insulation level of 50KV/110KV peak	
	12KV,1250A,20KA/50KA Fault make earth switch	DEQP
	Out door metering unit with out door resin cast	DMTR
	(Cycloaliphatic Resin System) instrument Transformer 12KV,1250A,25KA Compact VCB Panel	DMTR
	High efficiency laminar bladed flat shroud impeller	GHPM
	FSB-11 series	GHFW
	High efficiency aerofoil bladed flat shroud impeller	GHPM
	FSA-11 series	
	High efficiency aerofoil bladed flat shroud impeller	GHPM
	FSA-24 series	
APPLIED ELECTRO MA		
(1005	
	Dedicated systems for control and monitoring of heat	TEST
	processes	

Company's Name	Project Description	Specialization Cod
Company's Name	Project Description	Specialisation Cod
(Code)		
	Frequency detectors for input power frequencies in	TEST
	various applications	TECT
	Microprocessor based data acquisition for monitoring and controlling of motor speeds	TEST
	Microprocessor based sequence of event recorder for	TEST
	chronological identification of upto 512 critical events in	1201
	power plants	
	Remote Telemetry Units - Ruggedised intelligent	TEST
	Microprocessor based systems ideal for whole range of SCADA and process control environment	
ASIAN ENERGY INSTITU	UTE	
(1006)	
	National policies on energy:Implications of and	TEST
	opportunities from the framework Convention on Climate	
	Change	
ASSOCIATED ELECTRO	NICS RESEARCH	
FOUNDATION		
(1007)	
	Development of network power supply ranging from	DMTR
	100KW to 300 kW	DMTD
	Design and development of Transformer Production cum	DMTR
	metering unit for LT Transformer Design and development of 3 Phase Electronic Energy	DMTR
	meter with radio frequency interface	D.W.T.
	Development of stand alone fuel cell system integrated to	NCFC
	solar system	
ASSOCIATED ENGG. WC	DRKS	
(1008	
	Development of 0.5MW Rice Husk gasifier for power	NCOT
	Generation using Dual fuel Diesel Gensets	
	Conversion of Natural Gas Engine to run on Producer gas	NCOT
	generated from Biomass gasifier of capacity 62.5KVA	
AUTOMATIC ELECTRIC	CLTD.	
(1009)	
	3 Phase Energy Meter with RS 485 output	DMTR
	Combined 3 Phase KW/PF Digital Meter in 96 Sq. Housing	g DMTR
	Digital Voltage /Current/Frequency Indicator in 96 Sq	TEST
	housing for DG sets	

Company's Name	Project Description	Specialisation Cod	
(Code)			
	True RMS Portable 0.2 Class Multi Digital Meter Using Micro Controller	TEST	
	96 & 72 Sqmm Snap fit Moving Coil and Moving Iron Mete	r TEST	
	3 phase powerline monitor with RS485 interface and	TEST	
	SMPS for power supply to reduce the size and cost Low cost DC to DC transducer with Galvanizing Isolation using Analogue optical Isolation	TEST	
BARODA ELECTRIC ME			
(1011)		
	Scheme for technical loss reduction through apparent energy measurement / Metering	DMTR	
	Scheme for non technical loss reduction through operator based restructured Distribution System	DMTR	
	Development of static single phase apparent energy (KVAh) Meters	DMTR	
	Development of multi channel meter	DMTR	
	Microcontroller based 3 phase Bivector/Trivector meters	DMTR	
	New concepts for automatic meter reading	DMTR	
	Development of microcontroller based low cost , highly	TEST	
	tamper immune , static three phase active cum apparent energy and single phase meter		
BENGAL ENGINEERING			
(1012)		
	Condition monitoring of electrical equipments in power	GTCE	
	Microprocessor based protection of alternators	GTCE	
	Microprocessor based protection of alternators	GTCE	
	Generalized robust controllers for MIMO system	GTCE	
	Condition Monitoring of electrical equipments in power	GTCM	
BHABHA ATOMIC RESE	Investigation on tie line control and voltage instability of power grids in power system of developing countries EARCH CENTRE	TCSW	
(1013		
(Fuel Gas Conditioning Using Amonnia As Conditioning Agent	GTCN	

Company's Name	Project Description	Specialisation Co	
(Code)			
	Sludge Lancing Equipment For Removal Of Deposted	GTCM	
	Sludge On Tubes & Bottom Tube Sheet Of Steem Generators		
	Residual Life Estimation And Life Extension ,Fitness For	RLAS	
	Purpose Evaluation And On Line Fatigue Monitoring		
	Comprehensive Component Intgrity Testing Programe	TEST	
	Involving Fatigue & Fracture Testing Of Pipeline Product Such As Pipes & Elbows Fracture Analysis Of Power Plant Components		
	In-Service Inspection Of Components Including Eddy	TEST	
	Current Testing For Detection Of Annular Gaps & Surface Defects, Heat Exchanger Tube Leak, Ultrasonic Testing For Detection & Characterization Of Surface And Volumetric Flaws		
	On Line Monitoring Of Turbine Vibrations And Process	TEST	
	Parametrs		
	Insitu Measurement For Detection Of Turbine Blade	TEST	
	Vibration		
BHARAT ELECTRONICS			
(1014)		
	Development of Compact Vacuum interrupters in the medium voltage range of 6.6KV to 36KV for Vacuum Circuit Breakers	TEIT	
	Development of Vacuum interrupters for load break switch application	TEIT	
BHARAT HEAVY ELECT	RICALS LTD		
(1015)		
	Computational fluid dynamics	GHPM	
	Development of low Nox technologies for PC fired boilers	GTCN	
	Field evaluation of co-firing petcoke with coal	GTCM	
	Hot gas filter system	GTCM	
	Field demonstration of smart wall blowing system for PC fired boilers	GTCM	
	Demonstration of vacuum residue fuel for boilers	GTCM	
	Pressurized fluidized bed gasification combined cycle demonstration plant	GTCM	
	Evaluation of firing of blends of imported and Indian coals on boiler performance	GTCM	
	Field evaluation of co-firing different biomass with bagasse in stokers	NCOT	

	Going it and D Trojects Co		
Company's Name	Project Description	Specialisation Cod	
(Code)			
	Residual life assessment	RLAS	
	Study of plant and site support	RLAS	
BHARTIA CUTLER-HAM	MER LTD.		
(1016)		
	Rural Starters	DEQP	
	Capacitor switching contactors above 20KVAR and improved varieties	DEQP	
	Switch disconnector fuse (low voltage) rating 125A AC23 to IEC 60947-3	DEQP	
BIRLA INSTITUTE OF TE	CCHNOLOGY		
(1017)		
,	Solution of Unit Commitment problem	RLAS	
	Solution of thermal unit maintenance scheduling problem	RLAS	
	Load forecasting	TEST	
	Network planning	TCSW	
	Solution of capacitor placement	TEIT	
BIRLA INSTITUTE OF TE	CCHNOLOGY AND		
SCIENCE			
(1018		
,	Study of solid polymer electrolyte fuel cell	NCFC	
	Environment impact assessment of fuel cell technology	NCFC	
	Integrated energy supply to Indian domestic	NCSL	
	sector,utilising conventional and renewable energy sources-Study of issues and development of strategies		
	Study of performance reliability evalution of solar water heating system	NCSL	
	Power conditioning system for integrating 1KW Solar Photovoltic System with utility Grid	NCSL	
	Experimental investigation and econometric modeling of	NCSL	
	parabolic solar cookers		
	Reactive power control of Wind Systems	NCWD	
	Evaluation of techno-economic barriers and evolution of	RLAS	
	strategies for commercialization of solar water systems in India		

Company's Name	Pr	roject Description	Specialisation Code	
(Code)				
	Design synthesis of operational amplifiers from user given specifications		TEST	
	Networki	ing of Micro-controllers	TEST	
	Resonan	nt DC-DC converter	TEST	
	Fibre opt	tic sensors for measurement of temperature	TEST	
	PSPICE	modeling of opto-elctronic devices	TEST	
		red control systems-Implementation by ng Microcontrollers	TEST	
	Fluro opt	tic temperature sensor	TEST	
	•	of modern electronics and instrumentation ry teaching and evaluation techniques	TEST	
	A theoret	tical study of the modal properties of A Tapered	TCBL	
	FIBRE-C	OPTIC	TCSW	
	Optical C	Communication Networks simulation and Test	TCSW	
	Design e	exporations of VLSI arithmatic circuits	TCSW	
	Physical	Model for inversion layer mobility in MOS	TCSW	
	A compre	ehensive study of hot carrier effects in VLSI	TCSW	
	Radio Fr	requency Circuits for wireless communication	TCSW	
	Design a	and stability analysis of HVDC resonant converter	TEIT	
	Study an	nd design of switched capacitor filters	TEIT	
BPL ENGINEERING LTD.				
(1019)		
	Conversi	ion of GLS to CL	CNIT	
	Study to	convert regular ballasts to electronic ballast	TEIT	
CALCUTTA UNIVERSITY				
(1020)		
	Microprodrives(Ph	cessor based low cost energy saving industrial hase-II)	CNIT	
CENTRAL BOARD OF IRR	IGATION	<i>l</i> &		
POWER				
(1021)		

Company's Name
(Code)

Project Description

(1022)

Specialisation Code

(Coue)		
	Study and development of right type of MCCB as a	DEQP
	specific protection to distribution transformers and its	
	effectiveness compared to conventional protection	
	Beneficial utilization of discarded 11 & 33 kV breakers in	DEQP
	Sub stations released under renovation and augmentation and up-gradation schemes	
	Development of erosion resistant coatings for Hydro	GHPM
	turbine under water parts	
	Ground water quality management in the areas around	GTCN
	ash ponds of two thermal power stations	
	Ways & means to remove colloidal silica from raw water and D.M. Water	GTCM
	Development of suitable material to combat excessive	GTCM
	abrasive wear in coal grinding mix components	ardivi
		RLAS
	Improving Performance of VTPS stage II & III units	
	Three phase Harmonic Analyzer	TEST
	Diagnostic studies & evaluation for frictional incendivity	TEST
	surface temperature rise of flame proof enclosures	
	Study of voltage instability & collapse of Power System	TEST
	Evaluation of outdoor insulating materials by service	TEST
	simulated lab testing methods	
	On line computer control of Generators in a thermal	TEST
	power station	
	Techno - economic feasibility study of fibber optic	TCSW
	communication with other communication system in	
	Design and development of high performance digital	TEIT
	relaying scheme using Digital Signal Processors (DSPs) based hardware platforms	
	Field trial of thermosyphon in power transformers in the	TEIT
	GEB grid	
	Development of demonstration model for transformer oil	TEIT
	reconditioning in remote areas	
	Study on corrosion in swtichgears and isolators in the	TEIT
	sub stations situated in coastal areas	
	Study on performance of 33KV medium voltage SF6	TEIT
	circuit breaker designed as maintenance free equipment	
CENTRAL FUEL RESEARC	H INSTITUTE	

Company's Name	Project Description	Specialisation Code
(Code)		
, ,	Bulk utilization of fly ash for : - 1. Soil amendment,	GTCN
	2.waste land reclamation, 3.Restortion of biological system, 4.Brick/block technology, 5. Characterization of fly ash and durability studies.	
	Utilization of coal pond feed stock for coal water slurry as co-firing in power plants	GTCM
	Development of Pressurized Fluid Bed Combustion	GTCM
	(PFBC) Systems for high ash Indian coals To know the combustion characteristics of pulverized	GTCM
	coal by Drop Tube Furnace	arow
CENTRAL MANUFACTU	•	
TECHNOLOGY INSTITU		
	1023	
(Failure analysis of shorting ring of large size induction motors	GHPE
	Consultancy on rotor fault analysis and damage minimization in large size turbines for thermal power	GHPM
	Chemical and metallurgical investigations in to materials and heat treatment problems in motors and related electrical equipment	GTCM
	Balancing of reconditioned rotor in situ - 25 ton rotor of synchronous condenser for KEB	GTCM
	Investigation of excessive vibration in captive power generation units(DG sets) of KPTCL at Yehlanka,	GTLM
	Development of special purpose machinery for energy	NCOT
	Fine balancing "in-situ" of 2.5 MW reactor coolant motors for atomic energy applications	NCOT
	Evolution of measurement protocol and evaluation of noise levels (very low < 45 dB) of transformers for export as per international standards	TEST
	Balancing (Flexible rotor protocol) of rotors of twin pole	TEIT
	DC motors (about 1.2MW) for M/s Kirloskar Electric Co.	
CENTRAL MECHANICA	L ENGINEERING	
RESEARCH INSTITUTE		
(1024)	
	Metallurgical investigation into the cause of in-service failure of thermal power plant components	GTCM
	Residual life assessment of aged thermal power plant components	RLAS
	Assessment of present state of health and service suitability of old thermal power plant components	RLAS

Company's Name **Project Description** Specialisation Code (Code) Condition monitoring of rotating machines of thermal **TEST** power plant through vibration analysis CENTRAL MINE PLANNING & DESIGN INST. LTD.(SUBSIDIARY OF COAL INDIA LTD.) 1025 (Development of 25KW industrial power generator using **GTCM** high ash coal in a oscillatory combuster CENTRAL POWER RESEARCH INSTITUTE 1026 Definite purpose contacter development **DEQP** Reliability of contacter for transportation application **DEQP** IC card operating energy meter **DMTR GTCN** Fabrication of fly ash gypsum light weight boards Synthesis of fly ash based controlled release composite **GTCN** fertilizer Study on Marble waste powder utilization for **GTCN** environmental protection Optimization of boiler efficiency and heat utilization of **GTCM** industrial boiler through fuzzy logic controller NCOT Biological Effects of magnetic fields Development of solar still for better distillation rate NCOT Enhancement of service reliability of MPT capacitors **RLAS** Reactivity assessment of power station coals and impact **RLAS** on power plant performance Development of pollution monitoring equipment and **TEST** measurement at site Condition Monitoring of stator core of HV rotating machine **TEST** in services by Electromagnetic core imperfection Automation of transformer loss measurement and impulse **TEST** test measurement Development of test procedure for trace and ultra trace **TEST** elemental analysis Field test kit for current transformer **TEST TEST** Active power line conditioner

Company's Name (Code)

Project Description

Specialisation Code

GTCM

(Code)		
	Numerical modeling of thermo fluid flow processes in a	TEST
	typical Indian station Boiler	
	Development of software for Data acquisition , Evaluation	TEST
	and generation of control signals	
	Evaluation of profile for DC insulators under polluted	TCBL
	conditions	
	Development of GIS cable termination	TCBL
	Technology development of Flame Retardant low smoke	TCBL
	cable	
	Aging procedure for an RTV coated insulator	TCBL
	Study of aging characteristics on cable termination	TCSW
	Capacitive current switching capability of HV Vacuum	TEIT
	circuit breaker	TEIT
	Evaluation of earth resistance of bentonite encased	TEIT
	electrodes	TEIT
	Corona performance of bundle conductors measured in	IEII
	Corona cage Polyol esters as dielectric liquids	TEIT
	· ·	
	Study of performance of Zinc Oxide/ Metal Oxide	TEIT
	lightening arrestor blocks under accelerated aging test	TEIT
	Development of three source test circuit for single phase synthetic testing of EHV circuit breakers	IEII
	Time synchronization of EHV sub station equipment using	TEIT
	GPS receiver	1211
	On line Conditioning / Monitoring of HT capacitors	TEIT
	Flow Electrification and partial discharge phenomena in	TEIT
	power transformers	
	Design , fabrication and development of dropout type	TFER
	expulsion fuse	
	Design of longitudinal anchor structure for improved	TFER
	loading system on broken wire condition	
CENTRE FOR WIND ENER	• •	
TECHNOLOGY(C-WET)		
(1027)	
	Study on ruggedness index (RIX) in complex terrain	

Optimal blade angle for energy maximization

Company's Name	Project Description	Specialisation Cod
(Code)		
	Prototype development of a high penetration wind - Diese Hybrid system	GTLM
	Failure analysis of gear box of Wind Electric Generators	NCWD
	Grid related problems of wind farms	NCWD
	Study on wake losses at Kayathar Wind Farm	NCWD
CONTROLS & SWITCHGE	AR CO.LTD.	
(THE CONTROL GROUP)		
(1028)	
	Development of single shaft operated changeover switches in the entire range from 125A to 6300A	DEQP
	Development of silent DG sets	GTLM
	Upgradation of low rating breakers of 1000A and 1600A to meet higher breaking capacity of 65KA	TEIT
	Development of mechanically interlock breakers for change-over requirement (for breakers from 400A to 6300A in four pole version)	TEIT
NATIONAL METALLURGI	•	
(1029)	
	Thermodynamic and Kinetic studies on the fire side	GTCM
	corrosion of boilers fired with fuels rich in sulphur, vanadium and sodium chloride	
	Development of Electro slag cladding for dissimilar metals/bimetallic alloys and study of the bond interface	MTSC
	Micromagnetic techniques in ferromagnetic materials	MTSC
	Textural development of AISI 316 Austenitic stainless	MTSC
	steel during cold rolling and annealing Hard coatings of Titanium/Zirconium Diboride and Carbon Nitride by sputtering	MTSC
	Determination of Micro-mechanical parameters of piping Material	MTSC
	Mosbauer studies on Precipitation in steels	MTSC
	Fatigue crack propagation studies on PHT Nuclear Piping	RLAS
	Physically based constitutive equation for design and life	RLAS
	prediction at elevated temperature - modeling and	
	Cyclic J integral evaluation of various nuclear grade C-Mn steels	TEST

Company's Name	Pro	Specialisation Co	
(Code)	•		-
	Small specimen testing and Ball Indentation Technique for Mechanical Property Determination		r TEST
	Developm characteri	ent of magnetic sensor for material zation	TEST
DYNA HI TECH POWER	SYSTEMS L	TD.	
(1031)	
	Power factors from 250V	tor Corrected switching Power Supplies range V-650W	DMTR
EDDY CURRENT CONTR	OLS(INDIA)LTD.	
(1032)	
	Batteries A Invertors)	Automotive/Tubular/Traction(For Ups And	CNIT
	Battires Au invertors)	utomotive/Tubular / Traction (For UPS and	CNIT
	Special Dr	ives of Narmada Sarovar Canals	
	Chopper C	Control/both Thyrostorised and MOSFET	GTCE
	Switched I	Reluctance Drives	GTCE
	Chopper of	ontrol / both thyristorised and MOSFET	GTCE
	Switched I	Reluctance Drives	TEIT
ELECTRICAL RESEARCH	H AND		
DEVELOPMENT ASSOCI	ATION		
(1033)	
		tion of rating factor for house wiring for nfiguration	CNIT
	Signature condition	analysis of distribution transformer under S/C	DEQP
	Developm	ent of digital power meter	DMTR
	Developm	ent of New material for hydro turbine	GHPE
	Durability	study of fly ash bricks	GTCN
	On line co	ndition monitoring of electric motor through ent	GTCE
	Study the	effect of electrical surges on rotating machines	GTCE
	•	ent of indigenous RTV coating for improving ce of outdoor insulator in polluted condition.	MTSC

Company's Name	Project Description	Specialisation Cod
(Code)		
	Application of genetic algorithm to power system optimization problems	TEST
	Transformer Winding Resistance Meter	TEST
	Condition monitoring of gapless lightning arrester	TEIT
	Development of polymer concrete based CT & PT	TEIT
	Detection of partial discharges through acoustic emission signals of PT	TEIT
	Active filter for harmonics elimination in Power system	TEIT
	Study of breakdown phenomena in SF6 insulator system	TEIT
	Field evaluation of non ceramic insulators	TEIT
ELECTRONIC AUTOMAT	TION PVT.LTD.	
(1034)	
	Sequential timer	TEST
	Time switch	TEST
	A series low cost	TEST
	Digital timer	TEST
ELECTRONICS RESEARC	CH &	
DEVELOPMENT CENTRA	E OF INDIA	
(1035)	
	Development of intelligent and high efficient grid interactive UPS system	CNIT
	Development of indigenous SCADA software package with specific features for electrical energy management	DEQP
	Automation of 11KV distribution network of Thiruvanthapuram	DEQP
	Development of 3 phase ASIC based energy meter	DMTR
	Development of 250KW four quadrant power converter for wind electric generators	NCWD
	Development of SMPS power plant of 25A rating for telecom application	TCSW
	Development of active VAR compensator of 350KVAR	TEIT
EMCO ELECTRONICS		
(1036)	

Company's Name	Project Description	Specialisation Co
(Code)		
	Development of automatic voltage regulation relay	DEQP
ENGINEERS INDIA LIM	ITED	
(1037)	
	Development of fuel cells	NCFC
GALADA POWER &		
TELECOMMUNICATION	N LTD	
(1038)	
	Development of process to reduce overall fuel	GTCE
	consumption through escaping flue gases at melting and Development of high speed (1300-1400 RPM) skip tranders to stand Al alloys wires in sizes 20,34,55 and	MTSC
	Development of 6-7mm dia solution treated and stabilized alloy rod of 6201/6101	MTSC
	Development of all luminium high conductivity alloy grade of 1120 having conductivity of 58-59% IASC	MTSC
	Development of 5000 series electrical and mechanical grade alloy rods in different diameters and heat treated	MTSC
	Development of ACAR and AACSR conductors	TEIT
	Study of fatigue analysis and vibration of AAA conductors in T&D system of APTRANSCO	TEIT
ALSTOM POWER INDIA	LTD	
(1039)	
	Development of 25MW indigenous turbine	GHPM
	Stress analysis of turbine components	GHPM
GOA UNIVERSITY		
(1040)	
	Development of electrocatalysts for Methanol oxidation for use in fuel cells	NCFC
	Development of elctrocatalysts for Oxygen reduction in fuel cells	NCFC
GREAVES LTD		
(1041)	
	Design and development of gas engines working on 100% producer gas in G4 series	GTGM
	Development of modified component of D3 series Diesel engine	GTLM

(Code) Indigenous development of casting D4 se Design and Development of 100% Bio ga	
Indigenous development of casting D4 se	
Design and Development of 100% Bio ga	
developing 300KVA	as engines NCOT
INDIAN INSTITUTE OF TECHNOLOGY	
KHARAGPUR	
(1043)	
Development of UPS based super condu- energy storage	cting magnetic CNIT
Development of state of art optical senso applications	rs for industrial MTSC
Optimal siting of wind turbine	NCWD
Development of SAVE , ISIRD scheme	RLAS
Study and development of real time intellibased on neuro fuzzy techniques	igent controllers TEST
Fault tolerant control system	TEST
Integrated design of building automation and supervisory cont	
Multi sensor based on line condition mon intelligent manufacturing system	itoring for TEST
INDIAN INSTITUTE OF TECHNOLOGY	
BOMBAY	
(1044)	
PSS tuning in WREB	TCSW
Design of TCSC controller	TEIT
Development of control strategies and de optimal location for FACTS devices	termination of TEIT
INDIAN SCHOOL OF MINES	
(1045)	
Morophlogical Investigations Of Flyash U Sem/Tem/Sem-Edx	sing GTCN
Feasibility Study For Dust suppression & Gas Qualty	Improved Flu GTCN
The Phnomena Of High SO2 Emission O Super Thermal Power Plant	f Ramagundam GTCN
Face Sampling And Washability Studie O Seam Of Amlorhi Coal	on Purewa East GTCN

J	3	1
Company's Name	Project Description	Specialisation Cod
(Code)		
` ,	Study Of Coal Washbility Characterstics Of Purewa East Seam Of Amlohri	GTCN
	Study On Possibility Of Utlising Solid Waste & Fly Ash For Backfilling & Reclmation In Opencast Mines	r GTCN
	Capacity Evaluation Of Induction Furance	GTOE
INDIRA GANDHI INSTT. (OF .	
DEVELOPMENT RESEAR	СН	
(1046	
,	Study of way and means to reduce GHG emissions in power sector	GTCN
	Study of energy efficient technologies and their role in reducing GHG emissions	GTCN
	Study of barriers to adoption of renewable energy technologies	NCOT
INSTITUTE FOR SOLID W	YASTE RESEARCH	
AND ECOLOGICAL BALA	NCE,	
(1047)	
	Utilization of FGD gypsum wherever high sulphur are	GTCN
	Utilization of fly ash towards building materials	GTCN
JADAVPUR UNIVERSITY		
(1048	
	Illumination Re design of thermal power plants	GTCM
	Studies on impact of powers sector on human development index and environment	GTGN
	Development of an integrated method for 3D filed optimization using parametric CAD model	MTSC
	Studies on power generation from gasification of rice	NCOT
	Development of contacting for thin film solar cells	NCSL
	Study on embedded power generation using photovoltaic technology	NCSL
	Development Real time SCDA model for interconnected power system	TEST
	Development of contingency plan of DVC power network	TCSW
	Development of high performance electronic blast for energy efficient illumination and improved DSM	TEIT

Company's Name	Project Description	Specialisation Cod
(Code)		_
	Study of impulse fault diagnosis in HV transformer by pattern recognition technique	TEIT
JYOTI LTD.		
(1050)	
	Pole-mounted Auto recloser	TEIT
	Different versions of Ring Main Unit	TEIT
	Magnetic Actuator based Vacuum Circuit Breaker	TEIT
KARNATAKA REGIONAL	ENGINEERING	
COLLEGE		
(1051)	
	Fuzzy systems and ANN based package for power system applications	TEST
	Incorporation of FACTS controllers for large integrated power system	TEIT
KIRLOSKAR BROTHERS	LTD.	
(1052)	
	Pantoon Design for installing pumps on floating platform	
	Computational / Experimental fluid flow studies in sumps	TEST
	Solid Model / Rapid Prototype for accelerated product development	TEST
	Transient analysis of piping system	TEST
	Stress analysis for mechanical components Vibration studies of pump installations	TEST
	Computational fluid dynamic studies of flow through fluid handling devices	TEST
	Seismic Analysis of mechanical assemblies	TEST
	Model/prototype pump testing (Maximum Capacity 49000 Cu M/Hr)	TEST
	Fluid flow + heat transfer Studies	TEST
KIRLOSKAR ELECTRIC	COMPANY LTD.	
(1053)	
	Development of New Series HT Motor upto 600HP ,	CNIT
	Development of New series LV AC generators	CNIT

Company's Name	Project Description	Specialisation Cod	
(Code)			
	Development of Top terminal box series motors upto	CNIT	
	Development of new flame proof series HV motors upto	CNIT	
	800Kw		
	Development of New series HT AC generators	CNIT	
	Development of forced cool inverter series motors upto 1500Kw,690V	TEIT	
KIRLOSKAR OIL ENGINE	ES LTD.		
(1054)		
	Upgradation of existing engine model used for DG sets to	GTLE	
	meet US Tier 1 emission norms		
	Development of new engines for DG sets with higher	GTLE	
	power per unit of swept volume (upto 30KVA per litre of swept volume)		
LARSEN &TOURBO LTD.			
(1055)		
	Upgradation of LV switchgear	TEIT	
MAHATMA GANDHI GRA	AMODAY		
<i>VISHWAVIDYALAYA</i>			
(1056)		
	Bio mass based power generation	NCOT	
NAGPUR UNIVERSITY			
(1057)		
	Al Based Protection Systems For Power Generations	GTCE	
	Torsional Stresses In Turbine Generators	GTCM	
	Expert-Systems For Condition Monitoring Of Turbo Generator	GTGE	
	Power System Stability And Distribution Automation	TEST	
	Resonant Converters And Active Filter For Power Quality	TCSW	
	Assurance		
	Ai-Based Protection Scheme For Power Systems	TCSW	
	ANN-Based Power System Protection	TEIT	
	Augmentation Of Performance Of Modern Drives With	TEIT	
	Power Quality Consideration		

Company's Name	Proj	Specialisation C	
(Code)			
NATIONAL RESERCH A	ND TECHNO	LOGY	
CONSORTIUM			
(1058)	
	Developme	ent of high temperature calibration system	TEST
NATIONAL THERMAL P	OWER CORF	PN.	
(1059)	
	Developme ultrafiltratio	ent of methods for removal colloidal silica by n	GHPM
	Study of sla	agging problem at RSTPS	GTCN
	Characteriz from fly ask	ration and feasibility of recovery of gallium	GTCN
	Study of eff	fect of moisture and ash content on GCV and	GTCN
	-	etallurgical degradation of hot gas casing conel-617) in gas turbine	MTSC
NORTH EASTERN REGI	ONAL INSTIT	TUTE	
FOR SCIENCE & TECH	NOLOGY		
(1060)	
	Developme	ent of integrated system for electrical energy	DMTR
		on and management with mixed solar, micro d and Bio mass generation	
NSP ELECTRONICS LTI	О.		
(1061)	
	Developme	ent of 100A power plant	CNIT
	Developme	ent of single phase & three phase energy meter	DMTR
ONGC LTD.(KESHAVA I	DEVA MALAV	/IYA	
INSTITUTE OF PETROL	.EUM		
(1062)	
	Identification	on of drillable CBM prospects of PEL area of	NCOT
	Jharia Basi	••	
	-	e physical modeling and simulation studies to	NCOT
ORIOLE ELECTRONICS	•	ploration and exploitation concepts	
OMOLE ELECTRONICS	1063	,	
(to acquisition	TCSW
	המט טוו ממ	ta acquisition	10300

Company's Name	Project Description	Specialisation	
(Code)			
OSMANIA UNIVERSITY			
(1064)		
	De sulphurisation and particulate removal from hot gases in an IGCC	GTGN	
	Power cycle optimization of domestic coal fired IGCC	GTGM	
	Solar flat plate collector test facility	NCSL	
	Performance evaluation of photovoltic water pumping	NCSL	
	Development of wind electric water pumping system	NCWD	
P.S.ELECTRICALS PVT. LT	TD.		
(1065)		
	Out door resin impregnated 11 and 33 kV series layer	DEQP	
	wound reactor coils		
PAHARPUR COOLING TO	WERS LTD		
(1066)		
	Study and implementation of various fan drive control	GTCM	
	systems for cooling tower energy optimization		
	Design and development of cooling towers with pultruded	GTCM	
	FRP structure	0.7014	
	Determination of performance characteristics of various	GTCM	
	types of fans blades profiles in wind tunnel Basic heat transfer study for improving cooling tower	GTCM	
	Design and development of various types of fills for	GTCM	
	efficient air water contacts in cooling towers	GTGW	
	Design and development of high efficiency nozzles for	GTCM	
	cooling towers		
	Upgradation of FRP technology for improving quality and	GTCM	
	productivity of cooling tower components		
	Evaluation and application of various grades of steel for	GTCM	
	cooling tower structure, hardwares and components		
	Design and development of drive shafts for power	GTCM	
	transmission in cooling towers	0.7014	
	Design and development of high efficiency axial flow	GTCM	
	fans for cooling tower applications Study the change in behavior in chemical and physical	MTSC	
	properties of different cooling tower material under hot and humid atmospheric condition	WIJO	
	and harmouphone condition		

Company's Name	Project Description	Specialisation Code
(Code)		•
,	Design and development of full scale test facility for testing various components of cooling towers	TEST
	Out door 25KV / 110KV cast coils transformers for	TEIT
PRIYARAJ ELECTRONIO		
(1067	DMTD
	Three phase 4 wire static watt hour meter upto 40 Amp	DMTR
	Development of single phase 2 wire static watt hour	DMTR
	meter upto 40Amp (Discrete) Single phase 2 wire static watt hour meter upto 40Amp	DMTR
	(SMD)	DWITT
PYROTECH ELECTRON	,	
(1068)	
,	MVA X -Ducer for balance load	DEQP
	Development of microprocessor based kWh pulse output	DMTR
	Development of 8 channel data logger	TEST
	Development of microprocessor based P.F. Corrector	TEST
	Development of microprocessor based tachometer and line frequency indicator	TEST
	Development of Universal calibrator	TEST
	Development of Universal indicator	TEST
	Development of Micro Processor based Tacho Meter	TEST
	Development of microprocessor based 32 PT - Alarm	TEST
	Annucitor Development of microprocessor based 8 PT - Alarm Annucitor	TEST
R P G CABLES LIMITED)	
(1069)	
	Development of cost effective sheath formulation for Elastomeric cables	DCBL
	Development of Ethlene Vinyl Acetate (EVA) rubber compound with high tensile and electrical properties	MTSC
	Development of PVC insulation compound with fire resistant low smoke (FRLS) properties for house wiring	MTSC

Company's Name	Project Description	Specialisation Co.
(Code)		
R&D CENTRE FOR IRON	AND	
STEEL(STEEL AUTHORIT		
(1070	
(Suitable materials for condenser tubes	GTCM
	Metalliurgical / mechanical investigation of boiler tubes like	e GTCM
	creep testing and failure investigation	
	Power control system in high pressure heaters of thermal	GTCM
	power plants	
	Prevention of corrosion and de-scaling in cooling	GTCM
	Corrosion protection-coating in metals and alloys in	MTSC
	different environment	
RAJASTHAN UNIVERSITY		
(1071)	
	Development for storage of hydrogen in alloys and	MTSC
	compounds of metal in bulk and thin film form	
	Development of hydrogen run water pump	NCOT
RELIANCE STORAGE ENE	ERGY & SYSTEMS	
PVT.LTD.		
(1072)	
	To substitute bulk volume petro-fuel base energy by	NCOT
	presently unutilized generation capacity of power plants during lean/off peak hours	
	Development of off peak / midnight hours load on	TEST
	electricity system through DSM, nonconventional in	-
	To mitigate peak-hrs. deficit by off-peak surplus	TEST
SARDAR PATEL RENEWA	BLE ENERGY	
RESEARCH INSTITUTE		
(1073)	
	Large biomass gasifiers of capacity 100 kW to 1 MW for	NCOT
	power generation	
	Large scale generation of methane rich gas through	NCOT
	anaerobic decomposition of surplus crop residues	
	Development and studies on 3 kW stand alone solar	NCSL
	photovoltaic diesel power system	NOWE
	Operational research on stand alone wind-diesel hybrid	NCWD
	system of 3.6 kW capacity	

Company's Name	•		Description	Specialisation Cod
(Code)		ojece 1	<i></i>	Specialisation co.
SECURE METERS LTD.				
(1074)	
(-	ment of	static energy meters and systems,	DMTR
			T/CT, HT types for utilities and	
SHIVAJI UNIVERSITY			•	
(1075)	
	Preparat	ion of ca	admium ferrous Selenide thin films by	MTSC
	electrode storage		n technique and their use in rechargeable	•
HONDA Siel POWER PRO	DUCTS			
(1076)	
	Design 8	Devlop	oment Of 4"x4" Water Pump	CNIT
	Devlopm	ent Of N	New Model EBK 1200 S	CNIT
	Design 8	Devlop	oment Of Simple Invertor 2.5/3.0 KVA	CNIT
	Design 8	Devlop	oment Of 0.5 Kva Economy Model	CNIT
	Reduction	n In Noi	ise Level Of Gensets Design &	GTCN
			Acoustic Enclosure For Models Ebk Ebk 2800	
	Exhaust	Emissio	on Control Of Portabl Gensets To Meet	GTLN
	Emission	•	ation	
SHRIRAM INSTITUTE FO	R INDUST	RIAL		
RESEARCH				
(1077)	
	•		ater,effluents,soil & solid	GTCN
CHANANDA ELECTRONI		nission	Samples & Monitoring of Environments	
SIVANANDA ELECTRONI				
(1078		, , , , , , , , , , , , , , , , , , , ,	DEOD
			transformer turns ratio meter	DEQP
			transformer winding resistance meter	TEST
	•		Insulation resistance tester (Both hand ated as well battery operated)	TEST
		•	digital surge comparison tester	TEST
	•		Fully automatic PC based capacitance	TEST
	and TAN		·	0 .

Company's Name	Project Description	Specialisation	
(Code)			
SOPHISTICATED TEST &			
INSTRUMENTATION CENT	ΓRE		
(1079		
(Development of innovative laboratory kits in frontier areas	TEST	
	of electronics and instrumentation	.201	
SPIC SCIENCE FOUNDAT			
(1080)		
(Material research on specifically polymeric membranes,	MTSC	
	catalysist and nano materials		
	Development of hydrogen production technologies	MTSC	
	Development of hydrogen storage material	MTSC	
	Development of PEM fuel cell technology and its	NCFC	
	application in portable,transport and other areas	1401 0	
SRI AUROBINDO INSTITU	· · · · · · · · · · · · · · · · · · ·		
SCIENTIFIC RESEARCH T			
	1081		
(,	NCWD	
CEDUCEUDAL ENGINEED	Development of wind turbine (model Niharika-ishan)	NCVVD	
STRUCTURAL ENGINEER	ING RESEARCH		
CENTRE			
(1082		
	Development of computer software for dynamic	GHPE	
	behaviour of framed foundations for high speed rotating machinery in power plants		
	Development of program for dynamic response of cooling	GTCM	
	towers		
	Development of software for non linear and dynamic	GTCM	
	response of hyperboloid cooling towers and pressure vessels subjected to wind and transient loading		
	Development of expert system for design of natural	GTCM	
	draught hyperboloid cooling towers		
	Development of dynamic analysis to survive shock loads	TCWK	
	due to blast and impact		
	Development of software package Tower Analysis	TFER	
	Program System(TAPS)		
	Development of expert tower analysis and design	TFER	
	system(EXTASY)		
	Development of knowledge based system for analysis	TFER	
	and synthesis of transmission line towers(KASTLE)		

Company's Name	Project Description	Specialisation C
(Code)		
TAMILNADU ENERGY DEV	ELOPMENT	
AGENCY		
(1083)	
	0.5 MW high rate biomethanisation demonstration proje	ect NCOT
	for recovery of energy from industry waste water	
TECHNOFOUR		
(1084)	
	Development of In service eddy current inspection	TEST
THAPAR CENTRE FOR INL	USTRIAL	
RESEARCH & DEVELOPM	ENT	
(1085)	
	Utilization of fly ash for soil amendment to increase fore productivity	est GTCN
	Thermal performance evaluation of tube type air to air heat exchangers for high rated electrical motors	GTCM
	Prediction of air flow in radial ventilated motors with and without heat exchangers	d GTGE
	Aging studies on oil impregnated paper(OIP) insulation and parameter correlation for reliability evaluation	RLAS
	Motor foot failure analysis	RLAS
TRANSFORMERS AND ELE	•	
KERALA LTD.		
(1086	
UNIVERSAL CABLES LTD.	Design development , prototype manufacturing and testing of transformers and switchgears for 800KV system(Mainly power transformers , CTs & CBs)	TEST
(1088	
(Development of thin walled winding wire for use in submersible pumps	CNIT
	Development of high stress capacitor of more than sixty volts/micro design	/ MTSC
	Development of elsatomeric compounds for high temperature application	MTSC
	Development of techniques for characterization of	MTSC
	Development of special submarine cable	TCBL

Company's Name	Project Description	Specialisation Co
(Code)		
VACUUM PLANT & INS	TRUMENTS	
MANUFACTURING CO.	LTD.	
(1089	
`	Data processing and historic events logging systems	DMTR
	Development of high temperature oil handling pumps	GTCM
	Development of smart scavenging process	GTCM
	Development of computerized condensation pattern	TEST
	derivation packages	
	Development of new generation gas, moisture and Tan	TEST
	Delta measurement apparatus	
	End point analysis system for optimization of process	TCSW
	Development of SF6 liquefaction plant	TEIT
WPILLTD.		
(1090)	
	Development of high efficient vertical mixed flow pumps	GTCM
	for condensor cooling water application for power plant	
	Development of CADD and engineering software to aid to	TEST
	the design a analysis of a new pumps for flow analysis and system analysis	
ANDHRA PRADESH PO		
CORPN. LTD.	,, an obtinition	
(1091)	
(Various Methods Of Extension Of Supply To Multistoried	CNIT
	Complexes	
	Reclamation Of Transformer Oil Using The Method	DEQP
	Devloped In-House	
	Optional Scheduling Of Multireservirs Of An Operating Power System	
	Effects Of Under Frequency On Turbine Rotor Blades	GHPE
	And Bearings	
	Conservation Of Energy	GTCE
	Short Term Load Forecasting Of Ap-Grid Demand	TEST
	Failure Analysis Of Under Ground H.T/L.T Cables And Joints	TCBL
	Study On Insulator Contamination	TEIT

Company's Name	Project Description	Specialisation C
(Code)		
HARYANA VIDYUT PRA	SARAN NIGAM	
(1092)	
	Development of amorphous core metal distribution	DEQP
	transformers	
	Energy conservation through lower frequency vacuum	DEQP
	drying of distribution transformer with regulated input	
	Energy conservation through lower frequency vacuum	DEQP
	drying through LT short circuit and regulative input voltage of distribution transformer upto 100KVA	
KARNATAKA POWER C	ORPN. LTD.	
(1093)	
	Design of suitable DOLO units to substitute the existing	DEQP
	DOLO units with fuse links	
	Imperfect grounding of neutral wire of distribution line	TEIT
	performance with special reference to neutral to earth	
	Evolving design of earthmat of a substation site with	TEIT
	limited area and high reistivity soil	
KERALA STATE ELECT	RICITY BOARD	
(1094	
	Feasibility Study Of Aerial Bunched Conductor On 11 Kv	DCBL
	Distribution Network	
	Techno-Economic Feasibility Study And Design Of	TCWK
	Concrete Embedded Earth Mat For EHV Substations	
	Devlopment Of IR Thermometer For Hot Spot Detection Of	f TEIT
	Distant Objects(In Collabration With VSSC,TVM) In Substations And Lines	
MADHYA PRADESH EL		
(1095	
	Study of development of right type of MOCB as a specific	DEQP
	protection to distribution transformer	224.
	Study of performance of 33KV medium voltage SF6 CB	DEQP
	Evaluation of effective method for assessment of	GTCE
	capacity of induction motor at the consumer premises	
	Development of Insitu drying of power transformers from	TEIT
	resistive heating method	
MAHARASHTRA STATE	ELEC. BOARD	
(1096)	
*	*	

Company's Name	Project Description	Specialisation C
(Code)	•	•
(5.00)	Prediction of residual life of hydro turbine runners(Pelton wheel)	GHPM
PUNJAB STATE ELEC. BOA	RD	
(1097)	
	Enhance the power transformer capability and improve the dynamic performance of the power system through fast control	DEQP
	Study the effect of atmospheric pollution on insulator	GTCN
	flashover and remedial measures thereof	
	Upgradation of 132KV to 220 kV line using insulated	TEIT
	cross arms	
TAMIL NADU STATE ELEC.	BOARD	
(1098	
	Beneficial utilization of discarded 11KV and 33KV	DEQP
	breakers in sub station	
	Assessing the suitability of premoulded equipment	DEQP
	connectors and cable joints (11&33KV) for quick and reliable interconnections	
	Beneficial utilization of Fly ash produced in TPS	GTCN
	Reduction of auxiliary consumption using high voltage capacitors	GTCE
	Estimation of organic matter in raw water	GTCM
	Elimination of colloidal silica in raw water	GTCM
	Estimation of unburnt carbon and suggestion for	MTSC
	Study on corrosion in switch gear and isolators in the	MTSC
	sub station situated in the coastal areas	
	Life Assessment of 6.6 kV switch gears	RLAS
	Effect of aging of transformer insulation and mineral insulating oil in service	RLAS
	Sound level measurement and analysis in thermal power stations	TEST
	Failure analysis of 11KV & 22KV metering set	TEST
	Study on methods of monitoring transformer insulation	TEST
	through tan delta testing	TEOT
	Study on effect of harmonics	TEST
	Performance analysis and condition monitoring of SF6	TEIT
	and vacuum circuit breakers in sub station	