



# ANNEXURES



## Annexure-I

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## Annexure-III

## List of Abbreviations

|           |   |   |
|-----------|---|---|
| AAS       | - | Atomic Absorption Spectrophotometer                         |
| ABA       | - | Abscisic Acid   |
| ACA       | - | Ammonical Copper Arsenic                                    |
| ADG       | - | Assistant Director General                                  |
| AFED      | - | Agroforestry and Extension Division                         |
| AFRI      | - | Arid Forest Research Institute                              |
| AM        | - | Arbuscular Mycorrhizal                                      |
| AMF       | - | Arbuscular Mycorrhizal Fungi                                |
| ANOVA     | - | Analysis of Variance  |
| ATMA      | - | Agricultural Technology Management Authority                |
| AWTC      | - | Advanced Woodworking Training Centre                        |
| BA        | - | 6-Benzyl Adenil   |
| BAP       | - | Benzlaminopurine  |
| BAU       | - | Birsa Agricultural University                               |
| BCC       | - | Biodiversity and Climate Change                             |
| BGTI Div. | - | Biotechnology, Genetics & Tree Improvement Division         |
| BHU       | - | Banaras Hindu University                                    |
| BOD       | - | Biochemical Oxygen Demand                                   |
| BR        | - | Biosphere Reserve   |
| BRIS      | - | Biosphere Reserve Information Series                        |
| BSI       | - | Botanical Survey of India                                   |
| BT        | - | Box Trench  |
| CAZRI     | - | Central Arid Zone Research Institute                        |
| CBL       | - | Clear Bole Length   |
| CBNRM     | - | Community Based Natural Resource Management                 |
| CCA       | - | Copper Chrome Arsenic                                       |
| CCB       | - | Copper Chrome Boron   |
| CCF       | - | Chief Conservator of Forests                                |
| CCF-II    | - | Country Cooperation Framework –II                           |
| CEC       | - | Cation Exchange Capacity                                    |
| CF        | - | Conservator of Forests                                      |
| CFRHRD    | - | Centre for Forestry Research Human Resource and Development |
| CG        | - | Chhattisgarh  |
| CIMAP     | - | Central Institute of Medicinal and Aromatic Plants          |
| CNSL      | - | Cashew Nut Shell Liquid                                     |
| C & I     | - | Criteria and Indicator                                      |
| CO(F)     | - | Coordinator (Facilities)                                    |
| CPP       | - | Country Partnership Programme                               |
| CPT       | - | Candidate Plus Tree   |
| CRIDA     | - | Central Research Institute for Dryland Agriculture          |



|          |   |   |
|----------|---|---|
| CSMCRI   | - | Central Salt & Marine Chemical Research Institute |
| CSIR     | - | Council for Scientific and Industrial Research    |
| CSO      | - | Clonal Seed Orchard                               |
| CT       | - | Contour Trench                                    |
| CTPS     | - | Chanderpura Thermal Power Station                 |
| DBH      | - | Diameter at Breast Height                         |
| DBT      | - | Department of Bio-technology                      |
| DCF      | - | Deputy Conservator of Forests                     |
| DEMO     | - | Demonstration                                     |
| DNH      | - | Dadra & Nagar Haveli                              |
| DDG      | - | Deputy Director General                           |
| DFID     | - | Department for International Development          |
| DG       | - | Director General                                  |
| DNA      | - | Deoxyribo Nucleic Acid                            |
| DNTP     | - | Deoxyribonucleotide Triphosphate                  |
| DSAE     | - | DS Agri Estate Private Limited                    |
| DST      | - | Department of Science & Technology                |
| DUS      | - | Distinctiveness Uniformity Stability              |
| DV       | - | Demo Village                                      |
| DVC      | - | Damodar Valley Corporation                        |
| EBC Div. | - | Ecology & Biodiversity Conservation Division      |
| EC       | - | Exchangeable Capacity                             |
| EC       | - | Electrical Conductivity                           |
| EIA      | - | Environmental Impact Assessment                   |
| E-mail   | - | Electronic mail                                   |
| EM       | - | Environment Management                            |
| EMP      | - | Environmental Management Plan                     |
| ENVIS    | - | Environmental Information System                  |
| EPN      | - | Entomo-pathogenic Nematode                        |
| ERS      | - | Environmental Research Station                    |
| ETP      | - | Entire Trans Planting                             |
| EWI      | - | Earth Watch Institute                             |
| FAS      | - | Financial Accounting System                       |
| FDA      | - | Forest Development Agencies                       |
| FED      | - | Forest Ecology Division                           |
| FGTB     | - | Forest Genetics and Tree Breeding                 |
| FPD      | - | Forest Protection Division                        |
| FMS Div. | - | Forest Management & Silviculture Division         |
| FPO      | - | Food Products Order                               |
| FRC      | - | Forest Research Centre                            |
| FRI      | - | Forest Research Institute                         |
| FRO      | - | Forest Range Officer                              |
| FS       | - | Fibre Strength                                    |





|       |  |
|-------|--|
| FSI   | - Forest Survey of India                           |
| FTA   | - Forestry Training Academy                        |
| FT-IR | - Fourier Transform Infrared                       |
| FYM   | - Farm Yard Manure                                 |
| G     | - Gradonie   |
| GA    | - Gibbrelic Acid                                   |
| GBH   | - Girth at Breast Height                           |
| GCA   | - General Combining Ability                        |
| GC/MS | - Gas Chromatography /Mass Spectrometry            |
| GCV   | - Genotypic Coefficient of Variation               |
| GEER  | - Gujarat Ecological Education & Research          |
| GFD   | - Gujarat Forest Department                        |
| GFRC  | - Gujarat Forest Rangers College                   |
| GIS   | - Geographic Information System                    |
| GLC   | - Gas Liquid Chromatograph                         |
| GoI   | - Government of India                              |
| GSFD  | - Gujarat State Forest Department                  |
| GSFDC | - Gujarat State Forest Development Corporation     |
| GPS   | - Global Positioning System                        |
| GUI   | - Graphical User Interface                         |
| HARP  | - Horticultural & Agroforestry Research Programme  |
| HNB   | - Hemwati Nandan Bahuguna Garhwal University       |
| HP    | - Himachal Pradesh                                 |
| HPLC  | - High Pressure Liquid Chromatograph               |
| HPLC  | - High Power Liquid Chromatograph                  |
| HPLC  | - High Performance Liquid Chromatography           |
| HRD   | - Human Resource Development                       |
| HSCST | - Haryana State Council for Science and Technology |
| IAA   | - Indole Acetic Acid                               |
| IBA   | - Indole Butyric Acid                              |
| ICFRE | - Indian Council of Forestry Research & Education  |
| ICT   | - Information and Communication Technology         |
| IDRC  | - International Development Research Centre        |
| IFGTB | - Institute of Forest Genetics & Tree Breeding     |
| IFP   | - Institute of Forest Productivity                 |
| IFRIS | - Indian Forestry Research Information System      |
| IGAU  | - Indira Gandhi Agricultural University            |
| IGNP  | - Indira Gandhi Nahar Pariyojana                   |
| IIRS  | - Indian Institute of Remote Sensing               |
| IINRG | - Indian Institute of Natural Resins and Gums      |
| ILRI  | - Indian Lac Research Institute                    |
| ISSR  | - Inter Simple Sequence Repeat                     |
| ISM   | - Indian School of Mines                           |



|        |   |
|--------|---|
| IT     | - Information Technology                              |
| ITTO   | - International Tropical Timber Organization          |
| IWST   | - Institute of Wood Science & Technology              |
| JFMC   | - Joint Forest Management Committee                   |
| JFM    | - Joint Forest Management                             |
| JNKVV  | - Jawaharlal Nehru Krishi Vishwavidyalaya             |
| JSFDCL | - Jharkhand State Forest Development Corporation Ltd. |
| KVK    | - Krishi Vigyan Kendra                                |
| LAN    | - Local Area Network                                  |
| LC     | - Lethal Concentration                                |
| L-DOPA | - L-3,4-dihydroxyphenylalanine                        |
| MADP   | - Medicinal Aromatic and Dye Plants                   |
| MAP    | - Medicinal & Aromatic Plants                         |
| MD     | - Managing Director                                   |
| MG     | - Mega Gram(10 <sup>6</sup> g)                        |
| MKU    | - Madurai Kamaraj University                          |
| MLA    | - Member of Legislative Assembly                      |
| MMS    | - Modified Murashige and Skoog                        |
| MoEF   | - Ministry of Environment & Forests                   |
| MoE    | - Modulus of Elasticity                               |
| MoR    | - Modulus of Resistance                               |
| MoU    | - Memorandum of Understanding                         |
| MoWR   | - Ministry of Water Resources                         |
| MP     | - Madhya Pradesh                                      |
| MPCA   | - Medicinal Plant Conservation Area                   |
| MPFD   | - Madhya Pradesh Forest Department                    |
| MPMFP  | - Madhya Pradesh Minor Forest Produce                 |
| MPSBDB | - Madhya Pradesh State Biodiversity Board             |
| MS     | - Maharashtra   |
| MTE    | - Mid Term Evaluation                                 |
| MW     | - Microwave   |
| NAA    | - Naptha Acetic Acid                                  |
| NBARD  | - National Bank Agriculture & Rural Development       |
| NAP    | - National Afforestation Programme                    |
| NBM    | - National Bamboo Mission                             |
| NBPGR  | - National Bureau of Plant Genetic Research           |
| NBRI   | - National Botanical Research Institute               |
| NFLIC  | - National Forest Library and Information Centre      |
| NFT    | - Nitrogen Fixing Tree                                |
| NGO    | - Non Government Organization                         |
| NMBA   | - National Mission of Bamboo Application              |
| NMPB   | - National Medicinal Plants Board                     |
| NPK    | - Nitrogen-Phosphorus-Potassium                       |



|          |   |
|----------|---|
| NTFP     | - Non Timber Forest Produce                                     |
| NWFP     | - Non Wood Forest Products                                      |
| NRC      | - National Research Centre                                      |
| NRCAF    | - National Research Centre for Agroforestry                     |
| OBC      | - Other Backward Class  |
| OSR      | - On Station Research   |
| PCCF     | - Principal Chief Conservator of Forests                        |
| PCR      | - Polymerase Chain Reaction                                     |
| PCV      | - Phenotypic Coefficient of Variation                           |
| PDA      | - Potato Dextrose Agar  |
| PDBC     | - Project Directorate of Biological Control                     |
| PDKV     | - Dr Panjabrao Deshmukh Krishi Vidyapeeth                       |
| PIMS     | - Personnel Information Management System                       |
| PMS      | - Payroll Management System                                     |
| PSB      | - Phosphate Solubilizing Bacteria                               |
| PFAA     | - Prevention of Food Adulteration Act                           |
| PF       | - Project Formulation   |
| PRA      | - Participatory Rural Appraisal                                 |
| QPM      | - Quality Planting Material                                     |
| RAPD     | - Random Amplified Polymorphic DNA                              |
| RBD      | - Randomized Block Design                                       |
| RFD      | - Rajasthan Forest Department                                   |
| RH       | - Relative Humidity   |
| RIMS     | - Research Management Information System                        |
| RPC      | - Research Policy Committee                                     |
| RS       | - Remote Sensing  |
| R/S      | - Root/Shoot  |
| RSFD     | - Rajasthan State Forest Department                             |
| RTI      | - Right To Information  |
| SAUs     | - State Agriculture Universities                                |
| SC       | - Schedule Caste  |
| SASVPESY | - Samudai Adharit Samanvit Van Pravardhan Evam Sanrakshan Yojna |
| SE       | - Somatic Embryo  |
| SEPC     | - Shellac Export Promotion Committee                            |
| SFD      | - State Forest Department                                       |
| SHG      | - Self Help Group   |
| SIC      | - Soil Inorganic Carbon   |
| SLEM     | - Sustainable Land and Ecosystem Management                     |
| SLR Div. | - Soil & Land Reclamation Division                              |
| SOC      | - Soil Organic Carbon   |
| SOM      | - Soil Organic Matter   |
| SPA      | - Seed Production Areas   |
| SPM      | - Suspended Particulate Matter                                  |



|       |   |   |
|-------|---|---|
| SSOs  | - | Seedling Seed Orchards                  |
| ST    | - | Scheduled Tribe                         |
| SWC   | - | Soil Water Content                      |
| TBO   | - | Tree Borne Oilseeds                     |
| TOF   | - | Tree Outside Forest                     |
| TREE  | - | Training Research Extension & Education |
| TC    | - | Tissue Culture                          |
| TDZ   | - | Thidiazuron                             |
| TEM   | - | Transmission Electron Microscopy        |
| TERI  | - | The Energy and Resources Institute      |
| TFRI  | - | Tropical Forest Research Institute      |
| TFO   | - | Technical Facilitation Organisation     |
| TFT   | - | Thin Film Transistor                    |
| TLC   | - | Thin-Layer Chromatograph                |
| ToR   | - | Term of Reference                       |
| USDA  | - | United States Department of Agriculture |
| UNDP  | - | United Nation Development Programme     |
| UT    | - | Union Territory                         |
| UV    | - | Ultra Violet                            |
| UV IR | - | Ultra Violet Infrared                   |
| VAM   | - | Vesicular Arbuscular Micorrhizae        |
| VD    | - | V-ditch                                 |
| VPC   | - | Vegetative Propagation Centre           |
| VPN   | - | Virtual Private Network                 |
| VVK   | - | Van Vigyan Kendra                       |
| WAS   | - | Wild Ass Sanctuary                      |
| WB    | - | West Bengal                             |
| WPM   | - | Woody Plant Media                       |
| WWF   | - | World Wide Fund                         |
| ZSI   | - | Zoological Survey of India              |