

**PROJECT : CREATION OF DATA BANK OF MANUFACTURER FOR
LABORATORY EQUIPMENT/INSTRUMENT**

CLIENT : M/s ENGINEERS INDIA LTD.

JOB No. : 8603

INDEX

CLAUSE	TITLE	PAGE No.
1.0	Brief Scope	3
2.0	Qualification Criteria	7
3.0	Definition	8
4.0	Contact Details	8

ANNEXURES:

- Self-Declaration from manufacturer/principle Annexure-A1
- Authority Certificate from manufacturer/principle Annexure-A2
- Authority Certificate from Authorized Distributors,
Authorized Dealers or Authorized Channel Partners Annexure-B
- Experience Record Proforma Annexure-C

1.0 BRIEF SCOPE:

EIL intends to explore the manufacturers for the following laboratory equipment's/ instruments for creating a data bank for Grass Root Laboratory setup/Revamp of existing Laboratory in India/ abroad:

Table-1

S. No.	Type of Equipment/Instrument
A31	Mercury Analyzer
A32	Oil content Analyzer
A33	Toxic Gas Analyzer
A34	Total organic carbon (TOC) Analyzer
A35	Cloud, Pour and Freezing point Analyzer
A36	Flue Gas Analyzer
A37	Stack Monitoring Kit for Flue Gas Analysis
A38	Aniline point Analyzer
A39	Automatic Vapor Pressure Analyzer
A40	Thermogravimetric Analyzer (TGA)
A41	Gasoline Analyzer
A42	Diesel Analyzer
A43	Cetane Analyzer
A44	Particle Size Analyzer
A45	Automatic Asphaltene content Analyzer
A46	Automatic Smoke point Analyzer
A47	Infrared Moisture Analyzer
A48	Turbidity Meter
A49	pH meter (Benchtop)
A50	Conductivity meter
A51	Atomic Absorption Spectroscopy (AAS)
A52	Inductively Coupled Plasma Mass Spectrometer (ICPMS)
A53	High Temperature GPC System
A54	Flame Photometer
A55	FIA apparatus
A56	Automatic Slit Density Index tester
A57	Kjeldahl Apparatus
A58	TBP & HIVAC Combi Distillation Unit
A59	Copper corrosion bath with copper strip
A60	Automatic Oxidation stability tester
A61	Hydrogen Sulphide Apparatus
A62	Rockwell Hardness Tester
A63	Shore Hardness tester
A64	Existent Gum Apparatus (ROE)
A65	Micro Carbon Residue Tester (MCRT)
A66	Conradson Carbon Residue Apparatus
A67	Ramsbottom Carbon Residue Tester (RCRT)
A68	Salt content Analyser
A69	HSD stability Analyser
A70	Rancimat for determination of oxidation stability

A71	Aqua Glow Water Detection instrument
A72	Foam Tester
A73	Refractometer
A74	Density Meter
A75	Gas pycnometer
A76	Bulk density Apparatus
A77	Tapped bulk density denser
A78	Density Determination using Density Gradient
A79	Automatic Densimeter
A80	Density Bottle (Pycnometer)
A81	Density apparatus as per ASTM D291
A82	Hydrometer with Hydrometer bath for determination of Specific gravity using ASTM D1298
A83	Non-Refrigerated Type Thermostatic Bath
A84	Refrigerated type thermostatic bath
A85	Analytical balance dual range with Capacity of 220 gm
A86	Precision balance with capacity of 650 gm
A87	Top loading balance with capacity of 10 kg
A88	Centrifuge Machine
A89	Automatic Particulate counter for ATF
A90	Cold Filter Plugging Point Apparatus
A91	Lubricity Apparatus
A92	Microwave Solvent Extraction & Digestion system
A93	Refrigerator 500 L capacity (Explosion proof)
A94	Deep freezer (Explosion Proof)
A95	Auto titrator with facility of parallel titration
A96	Karl-Fisher Coulometric Titrator
A97	Karl Fisher Volumetric Titrator
A98	Karl Fisher coulometer with oven
A99	Digital Burrete
A100	Hardgrove Grindability Apparatus for Coke
A101	Sieve Shaker with ASTM sieves
A102	Jar test apparatus (Floculator)
A103	Crude emulsifier
A104	Gas porosity meter
A105	Vacuum Rotary Evaporator with Oil bath
A106	Wick bold Combustion Apparatus
A107	Melting Point Apparatus
A108	Haze -gloss meter
A109	Gloss meter
A110	Climatic Chamber with humidity and temperature control
A111	Cooling chamber
A112	Auto Colorimeter for measurement of saybolt colour
A113	Auto colorimeter for determination of colour as per ASTM D1500
A114	Hunter Colorimeter
A115	Lovibond Colour comparator
A116	COD Apparatus (COD Digester with photometer)

A117	BOD Apparatus
A118	BOD Incubator
A119	Incubator cum orbital shaker
A120	Laminar flow cabinet
A121	Microscope with colony counter
A122	Autoclave
A123	Heating Oven
A124	Ash fusion furnace
A125	Automatic Melt Flow Indexer
A126	Pellet Analyzer with color option
A127	Differential Scanning Colorimeter (DSC)
A128	Dynamic Mechanical Analyzer
A129	Pendulum impact tester
A130	HDT Vicat
A131	UTM (Universal Tensile Machine)
A132	Slip Tester (Coefficient of Friction)
A133	Dart impact tester
A134	Ball Indentation hardness tester
A135	Fluometer
A136	Hydraulic Press
A137	Cast Film Extruder
A138	Blown Film Extruder upward and downward
A139	Filterability Extruder
A140	Sample Splitter
A141	High Pressure Single Bore Capillary Rheometer
A142	Dynamic stress Rheometer
A143	NMR (1H-Broadline) with Inbuilt heating system and Auto sampler
A144	Aquatrac
A145	Pellet Drying Unit
A146	Injection moulding machine with Mould
A147	Thermostatic unit for mould
A148	Stereo-microscope with Camera
A149	Grinding Mill
A150	Cryo Mill
A151	Jaw Crusher
A152	Hammer mill
A153	Milling Machine
A154	Automatic Notching machine for Izod Charpy
A155	Motorized Full Notch Creep Tester
A156	Micrometre (Thickness and shape)

A157	Laser based Micrometer (Pipe)
A158	Digital Micrometer
A159	Digital Film Thickness gauge (Bench top model)
A160	Pneumatic punching machine
A161	Brittleness tester low temperature
A162	Elmendorf Tear Strength Tester
A163	Film Strip Cutter (Tensile specimen)
A164	Bench top White Light Transeluminator White Plate Including Lamp and Magnifying Glass Black Plate Including Lamp and Magnifying Glass
A165	Pipe line Extruder
A166	Pressure bath for Burst test and Hydraulic pressure test of pipe
A167	Blow Molding Machine
A168	Cutting Dies
A169	Environmental Stress Crack (ESCR) Apparatus
A170	Notching Cutter
A171	Sample Cutting Press (Punch press)
A172	Band Saw
A173	Pyrometer
A174	Sulphur Lamp
A175	Mechanical grinder
A176	Focused Microwave Acid Digestion System with auto sampler
A177	Portable Dynamic blender
A178	Hydrogen Gas Generator
A179	Nitrogen Generator
A180	Zero Air generator
A181	Water purification system
A182	Industrial vacuum cleaner
A183	Ultrasonic bath with sonication facility for cleaning of Glassware
A184	Under-bench Laboratory Glassware Washer with cleaning and drying arrangement
A185	Hot plate with magnetic stirrer
A186	Heating Mantle

2.0 QUALIFICATION CRITERIA

2.1 Potential manufacturer/principle should provide the following documents towards the intended purpose:

(a) Manufacturer/principle must submit a self-certified declaration on their company letter head, confirming themselves as manufacturer/principle for the listed equipment/instrument as per **(Annexure-A1)**. In case manufacturer/principle wants to supply the equipment/instrument through their Indian subsidiary, an authority certificate from manufacturer/principle shall also be submitted as per **(Annexure-A2)**

(b) In case, any manufacturer/principle intends to supply their products through their authorized distributors, authorized dealers or authorized channel partners, manufacturer/principle shall provide authorization certificate on their company letter head as per **(Annexure-B)** which shall be signed by corporate level signatory, authorizing the distributor/dealer/channel partner to submit quotation on their behalf and provide after sale services as the case may be.

2.2 Manufacturer/principle to submit the details of supply made during last fifteen (15) years as per **(Annexure-C)** in MS excel file & submit the documents towards the experience available as given below:

(a) Copy of PO/LOA/DLOA/contract document/contract agreement

(b) Completion certificate issued by client/invoice certified from client/client communication for completion of order/invoice copy along with payment receipt/inspection release note issued by inspection agency.

In case supply of products have been carried out by authorized distributors, authorized dealers, or authorized channel partners, the similar documents issued in the name of authorized distributors, authorized dealers or authorized channel partners can also be provided.

Manufacturer/principle shall ensure that the details provided against the above requirement must contains make and model/series of equipment's/ instruments.

2.3 Manufacturer/principle shall indicate latest model/series supplied against the various orders mentioned under Sl. No. 2.2 above and provide the relevant technical details like catalogue, approved data sheet, FAT report.

Note: The manufacturer/principle shall provide the information specified in clause 2.2 and 2.3 above for each serial number as per their product profile and range as outlined in Table-1.

3.0 DEFINITION:

Manufacturer/Principle: An entity having factory or production facility making the product and/or owning intellectual property rights and/or provide guarantee of the product

Authorized distributor: An authorized distributor (AD) is a company that has a contract with a manufacturer/principle to sell their products

Authorized dealer: An authorized dealer is a franchisee that sells a manufacturer/principle product

Authorized Channel Partner: Authorized channel partner is authorized by a company to sell, distribute, or support its products and services

4.0 CONTACT DETAILS:

Kailash Kumar (GM-SCM Procurement Development)

Email id: kailash.kumar@eil.co.in

Pinaki Prasad Pradhan (Sr. Manager-R&D)

Email id: pinaki.pradhan@eil.co.in

SELF DECLARATION FROM MANUFACTURER/PRINCIPLE

(To be signed by manufacturer/principle corporate level signatory on company's letter head)

I M/s _____ confirm that we are the manufacturer/principle of

_____ instrument/equipment and shall be fully backed by our guarantee.

SIGNATURE WITH SEAL
AUTHOURIZED, SENIOR MANAGEMENT
LEVEL SIGNATORY

In case manufacturer/principle wants to supply the equipment/instrument through their Indian subsidiary, the following undertaking shall also be additionally provided:

AUTHORITY CERTIFICATE FROM MANUFACTURER/PRINCIPLE

(To be signed by manufacturer/principle corporate level signatory on company's letter head)

I _____ on behalf of M/s _____ confirm the following:

- a. We are the manufacturer/principle of M/s _____.
- b. The (_____) instrument/equipment which are manufactured at our works and offered by the M/s _____ are fully backed by our guarantee.

SIGNATURE WITH SEAL
AUTHOURIZED, SENIOR MANAGEMENT
LEVEL SIGNATORY

**AUTHORITY CERTIFICATE FOR AUTHORIZED DISTRIBUTORS, AUTHORIZED DEALERS
OR AUTHORIZED CHANNEL PARTNERS**

(To be signed by Laboratory equipment/instrument Manufacturer/principle corporate level signatory on company's letterhead. In case of more than one equipment/instrument manufacturer/principle, authority certificate shall be furnished from each manufacturer/principle)

I _____ on behalf of M/s _____ confirm the following:

- a. The M/s _____ is an authorized distributor/authorized dealers/authorized channel partner of us.
- b. The _____ equipment/instrument shall be manufactured tested and inspected at our works.
- c. The equipment/instrument shall be designed by us, or in case equipment/instrument is designed by the M/s _____, same shall be vetted by us.
- d. We assume complete responsibility for our involvement with the M/s _____ in all phases of work including engineering, integration, testing, commissioning and warranty of the system for the _____ equipment/instrument.
- e. The _____ equipment/instrument offered by the M/s _____ are fully backed by our guarantee.

SIGNATURE WITH SEAL
AUTHOURIZED, SENIOR MANAGEMENT
LEVEL SIGNATORY

EXPERIENCE RECORD PROFORMA (FOR MANUFACTURER/PRINCIPLE, AUTHORIZED DISTRIBUTORS, AUTHORIZED DEALERS, AUTHORIZED CHANNEL PARTNERS QUALIFICATION) FOR SIMILAR SUPPLY OF GOODS / WORKS / SERVICES

(Annexure-C)

DEPARTMENT :RESEARCH AND DEVELOPMENT SERVICES FOR R&D DIVISION GURGAON	EOI TITLE : CREATION OF DATA BANK OF MANUFACTURER FOR LABORATORY EQUIPMENT'S/INSTRUMENTS
OWNER :EIL	S.No.of Table-1 : _____
EIL JOB NO :8603	Type of Equipment/Instrument : _____

Sl. no.	Description	Details	Remarks
1	Name of the project, plant/facility and location of project		
2	Name of Owner / End user		
3	Name, address, telephone no. & e-mail of the owner's / end user's contact person in the plant		
4	PO/LOA/DLOA/CONTRACT DOCUMENT/CONTRACT AGREEMENT		
5	Month and year of supply of laboratory equipment's/instruments		
6	Month & year of installation/commissioning of laboratory equipment's/instruments		
7	Proof of completion certificate issued by Client/invoice certified from Client/Client communication for completion of order/invoice copy along with payment receipt/inspection release note issued by inspection agency		
8	Laboratory Equipment's/Instruments Installation details		
9	Equipment's/Instruments Manufacturing works location		
10	Factory Acceptance Testing location		
11	Relevant technical details like catalogue, approved data sheet, FAT report pertaining to latest supplies indicating model and series made within the last fifteen (15) years		

INSTRUCTIONS TO MANUFACTURER/PRINCIPLE, AUTHORIZED DISTRIBUTORS, AUTHORIZED DEALERS, AUTHORIZED CHANNEL PARTNERS:

1. This proforma duly filled-in, stamped and signed shall be submitted.
2. Copies of PO/LOA/DLOA/contract document/contract agreement and proof of completion certificate issued by client/invoice certified from client/client communication for completion of order/invoice copy along with payment receipt/inspection release note issued by inspection agency as applicable to be enclosed.
3. The manufacturer/principle, authorized distributors, authorized dealers or authorized channel partners is required to specify the serial number of each offered equipment/instrument as listed in Table-1, based on their product portfolio and fill & submit a separate experience record Proforma for each offered instrument/equipment.

Place:
Date:

[Signature of Authorized Signatory]
Name:
Designation:
Seal: