

EXPRESSION OF INTEREST

for

**Selection of Operator for Operating,
Maintaining & Managing - Six State
Government Testing Laboratories on Public
Private Partnership (PPP) Mode**

Issued by:



**Micro, Small & Medium Enterprises Department
Kharavel Bhawan, Gopabandhu Marg, Keshari Nagar, Bhubaneswar - 751001
Government of Odisha
Phone No: +91 674 2391384/2393055/2393055
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EXPRESSION OF INTEREST FOR SELECTION OF OPERATOR FOR OPERATING, MAINTAINING & MANAGING SIX STATE GOVERNMENT TESTING LABORATORIES ON PPP MODE

No. MSME-IPE-MISC-0022-2023/

/MSME. Bhubaneswar dated 27.07.2023

1. **MSME Department, Bhubaneswar** through **Directorate of Export, Promotion and Marketing** invites Expression of Interest (the "EOI") from private companies/agencies to operate, maintain & manage six State Government testing laboratories (the "Testing Laboratories") on PPP mode. The EOI document shall be available for downloading at <https://msme.odisha.gov.in/> and <https://depmodisha.nic.in/>
2. The last date for receiving queries is **08/08/2023**. The Pre-Bid meeting shall be held on **14/08/2023 at 03:00 PM** at MSME Department, Bhubaneswar. Expression of Interest should be submitted not later than **24/08/2023 up to 6:00 PM**. The detailed schedule is mentioned below:

SNo.	Critical Events	Timeline
1.	Date of Issue of Eoi	27.07.2023
2.	Submission of Pre-Bid Queries	08.08.2023 up to 6:00 PM
3.	Pre-Bid Meeting	14.08.2023 at 3:00 PM
4.	Last Date and Time for Submission of Eoi	24.08.2023 up to 6:00 PM

3. MSME Department reserves the right to amend / modify EOI documents and/or to reject any or all proposals without assigning any reasons thereof.

Principal Secretary,
Micro, Small & Medium Enterprises Department,
Kharavel Bhawan, Gopabandhu Marg, Keshari Nagar, Bhubaneswar-751001
Phone No: +91 674 2391384/2393055/2393055
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1. Disclaimer

The information contained in this Expression of Interest document (“EOI”) or subsequently provided to Applicants, whether verbally or in documentary or any other form by or on behalf of the MSME Department or any of its employees or advisers, is provided to Applicants on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided. This EOI is not an agreement or an offer by the MSME Department to the prospective Applicants or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in the formulation of their application pursuant to this EOI. This EOI includes statements, which reflect various assumptions and assessments arrived at by the MSME Department in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. The assumptions, assessments, statements, and information contained in this EOI, may not be complete, accurate, adequate, or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments and information contained in this EOI and obtain independent advice from appropriate sources. The MSME Department accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the ~~be~~ expressed herein. The MSME Department may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this EOI. The issue of this RFP does not imply that the MSME Department is bound to select an Applicant or to appoint the Selected Applicant, as the case may be, for the selection of operator for operating six state government testing laboratories on PPP mode and the MSME Department reserves the right to reject all or any of the Application without assigning any reasons whatsoever.

2. Introduction

As MSMEs cater to various industries, the durability and reliability of the products manufactured by them are very critical. It is important that they adhere to national and international standards. However, as it is difficult for individual units to set up their own full-fledged laboratories for testing their products for conforming to national and international standards, hence MSME department had established Testing Laboratories providing testing and calibration facilities to industries in general and MSE's in a particular for raw materials, semi-finished and finished products, manufactured by them.

3. Objective

It is necessary to regularly modernizing/upgrading the existing Testing Laboratories to cater to the need of industries and MSME players, situated in nearby locality. Therefore, to augment the capacity, upgrade the existing machinery and enhance operational efficiencies of existing six laboratories, the State Government have decided to hand-over operation of its these Laboratories to private organisations on PPP mode. The EOI are invited from companies/agencies to operate, maintain & manage six state government testing laboratories on PPP mode.

4. Project Details

There are 6 State Government testing Laboratories functioning at Rourkela, Berhampur, Balasore, Angul, Bolangir and Cuttack by the MSME Department, Government of Odisha through its Directorate of Export, Promotion and Marketing. These Laboratories cater to MSMEs, Government Organisations and Works

Contractors by conducting about 10,000 tests in a year pertaining to products such as building materials, ferrous and non-ferrous alloys, engineering products, steel products, paper and paper products, paints, leather products, water purification materials, soaps and detergents, drugs, and pharmaceuticals, etc. Out of these 6 Laboratories, one located at Cuttack is NABL accredited while the Laboratories of Rourkela and Angul are under process for NABL accreditation. Prevailing testing facilities, testing equipment, and infrastructure information of these testing laboratories has been detailed out in Annexure A.

5. Bidding Procedure

5.1. Perspective Applicants

The Applicants should meet the following qualification criteria and shall submit documents in support of the qualification parameters. The Applicants can bid for any number of Testing laboratories in their response to RFQ/RFP.

- i. The company/agency/private organization must be registered and in operation for at least 5 years from the date of issuance of this EOI.
- ii. Its average annual turn-over for 2020-21, 2021-22 and 2022-23 FYs must have been at least Rs.50,00,000 (Rupees Fifty Lakhs).
- iii. It must be having experience of successfully running/operating at least one NABL (or any other competent regulatory authority as applicable) accredited Laboratory in India for the last 3 Financial Years.
- iv. Documentary evidence / proof of the experience is to be furnished supported by “certificates issued by the Authority concerned”.
- v. In the proposal, the Applicants may clearly state their expectations from the MSME Department for initiating the services mentioned above including development of Infrastructure.

Note: It is specially clarified here that the aforesaid criteria are the minimum eligibility criteria and additional qualification filters may be introduced at RFQ/RFP stage.

5.2. Pre-Submission Meeting

- 5.2.1. Pre-Submission Meeting will be held on **14/08/2023 at 03:00 PM** with the Interested Applicants for discussion on development envisaged by the Micro, Small & Medium Enterprises Department, Bhubaneswar. The Applicants are invited to give their suggestions and recommendation on the scope identified by Micro, Small & Medium Enterprises Department, Bhubaneswar to be developed.
- 5.2.2. Amendment and modification in the RFQ/RFP document shall be solely at the discretion of the Micro, Small & Medium Enterprises Department, Bhubaneswar.

5.3. Number of Eols

Applicants shall submit only one application in response to this EOI. Any Applicant or its associate member who submits more than one application, the Applications of such Applicants will be disqualified.

5.4. Clarifications/Communications Sought by the Bidders

The prospective Applicants requiring any clarification/communication on the EOI document may seek clarifications in writing to with a subject line as mentioned below. **Subject: Queries for Expression of Interest for Selection of Operator for Operating, Maintaining and Managing Six State Government Testing Laboratories on PPP mode.** Email: ipemsme@gmail.com

5.5. Format & Signing of Eoi

5.5.1. The Applicants would provide all the information as per this EOI Document and in the specified formats. Micro, Small & Medium Enterprises Department, Bhubaneswar reserves the right to reject any EOI that is not in the specified formats. The EOI should contain all the required and relevant information in the formats prescribed and as shown in the Check List. The EOI shall be typed or printed, and the Applicant shall initial each page. All the alterations, omissions, additions, or any other amendments made to the EOI shall be initialed by the person(s) signing the EOI.

5.6. Sealing & Marking of Eoi

5.6.1. The envelope shall indicate the name, address, and contact number of the Applicant. The envelope shall clearly bear the following identification: **“FOR SELECTION OF OPERATOR FOR OPERATING, MAINTAINING & MANAGING SIX STATE GOVERNMENT TESTING LABORATORIES ON PPP MODE”**. The envelope shall be addressed to: **Micro, Small & Medium Enterprises Department, Kharvel Bhawan, Gopabandhu Marg, Keshari Nagar, Bhubaneswar – 751001**

5.7. Eoi Due Date

5.7.1. EOI should be submitted on or before the EOI due date as set out in this EOI Document at the address provided in Clause 5.6.1 in the manner and form as detailed in this EOI Document. EOI submitted by either facsimile transmission or telex or e-mail will not be acceptable. Any EOI received after the due time and date will be returned unopened to the Applicant. Any EOI received after the due time and date will be returned unopened to the bidder.

5.8. Evaluation of Eoi

5.8.1. Micro, Small & Medium Enterprises Department, Bhubaneswar would open the EOI on the due date for EOI document submissions as detailed in this EOI. Micro, Small & Medium Enterprises Department, Bhubaneswar would subsequently examine and evaluate EOI in accordance with the criteria set out in clause 5.1. To assist in the process of evaluation of EOI, Micro, Small & Medium Enterprises, Bhubaneswar may, at its sole discretion, ask any Bidder for clarification on its Proposal. The request for clarification and the response shall be in writing. No change in the substance of the EOI would be permitted by way of such clarifications.

5.8.2. Micro, Small & Medium Enterprises Department, Bhubaneswar reserves the right to reject any Applications, if

(a) At any time, any material misrepresentation is made or uncovered; or

(b) A material concealment is detected; or

- (c) The Applicant does not respond promptly and thoroughly for request of supplement information required for evaluation of the Applications.

5.9. Amendment(s) to Eoi

- 5.9.1. Micro, Small & Medium Enterprises Department, Bhubaneshwar may, for any reason, modify the Expression of Interest (EOI) by amendment (s) at any time before the deadline for submission of applications. All prospective Applicants should check the <https://msme.odisha.gov.in/> and <https://depmodisha.nic.in/> regularly to keep themselves informed. All such amendments shall be binding on them and this Expression of Interest along with the amendment(s) shall constitute the complete Expression of Interest.

5.10. Correspondence with Applicant

- 5.10.1. Save and except as provided in this EOI, the MSME Department shall not entertain any correspondence with any Applicant in relation to the acceptance or rejection of any EOI.
- 5.10.2. Any information contained in the EOI shall not in any way be construed as binding on the MSME Department, its agents, successors, or assigns, but shall be binding against the Applicant if the Project is subsequently awarded to it on the basis of such information.

5.11. Site Visit and Verification of Data

- 5.11.1. Applicants are encouraged to submit their respective EOIs after visiting the Project site and ascertaining for themselves the site conditions, location, surroundings, climate, availability of power, water & other utilities for construction, access to site, handling and storage of materials, weather data, applicable laws and regulations, and any other matter considered relevant by them. Applicants can visit the laboratories as per following schedule

Testing Laboratory, Industrial Estate, Khapuria, Cuttack	
Scheduled Date of Visit	1 st & 2 nd of August 2023, Time:10.00AM to 5.30 PM
Name and telephone number of contact person	Sri A. Majhi, SSO (I/C), SSO Mob:9861757189
Testing Laboratory, Industrial Estate, Angul	
Scheduled Date of Visit	3 rd & 4 th of August 2023. Time:10.00AM to 5.30 PM
Name and telephone number of contact person	Sri C.K. Mati, Dy Dir(I/c), Mob:9861525144

Testing Laboratory, Industrial Estate, Ankuli, Berhampur	
Scheduled Date of Visit	4 th & 5 th of August 2023. Time:10.00AM to 5.30 PM
Name and telephone number of contact person	Sri Bhupendra Kumar Mohanty, SSO Mob: 8249829428
Testing Laboratory, Industrial Estate, Bolangir	
Scheduled Date of Visit	5 th & 7 th of August 2023. Time :10.00AM to 5.30 PM

Name and telephone number of contact person	Sri P Das, SSO Mob:7656908879
Testing Laboratory, Industrial Estate, Balasore	
Scheduled Date of Visit	7 th & 8 th of August 2023. Time:10.00AM to 5.30 PM
Name and telephone number of contact person	Sri Bhupendra Kumar Mohanty, SSO(I/c) Mob: 8249829428
Testing Laboratory, Industrial Estate, Rourkela	
Scheduled Date of Visit	18 th & 9 th of August 2023. Time:10.00AM to 5.30 PM
Name and telephone number of contact person	Sri P Das, SSO Mob: 7656908879

5.11.2. It shall be deemed that by submitting the EOI, the Applicant has:

- a) Made a complete and careful examination of the EOI Documents.
- b) Received all relevant information requested from the MSME Department.
- c) Accepted the risk of inadequacy, error or mistake in the information provided in the EOI Documents or furnished by or on behalf of the MSME Department relating to any of the matters referred to in Clause 5.11.1 above.
- d) Satisfied itself about all matters, things and information including matters referred to in Clause 5.11.1 hereinabove necessary and required for submitting an informed EOI, execution of the Project in accordance with the EOI Documents and performance of all its obligations thereunder.
- e) Acknowledged and agreed that inadequacy, lack of completeness or incorrectness of information provided in the EOI Documents or ignorance of any of the matters referred to in Clause 5.11.1 hereinabove shall not be a basis for any claim for compensation, damages, extension of time for performance of its obligations, loss of profits etc. from the MSME Department, or a ground for termination of the Operation and Maintenance Agreement by the Operator.
- f) Acknowledged that it does not have a Conflict of Interest; and
- g) Agreed to be bound by the undertakings provided by it under and in terms hereof.

5.11.3. The MSME Department shall not be liable for any omission, mistake, or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to RFP, including any error or mistake therein or in any information or data given by the MSME Department.

6. Selection Process:

Selection of operator will be on the basis of competitive bidding process in response to Request for Qualification (RFQ) / Request for Proposal (RFP) to be invited by Micro, Small & Medium Enterprises Department, Bhubaneshwar subsequently. The EOI shall not be used to either shortlist or disqualify tenderers and any entity which has not submitted an EOI, shall also be allowed to participate in the RFP

stage.

7. Scope Of Work

7.1. Responsibilities of Operator

7.1.1. Operator selected through the selection process as defined in Clause 6 of this EOI will be handed over the facility on as is whereas basis and shall have following major responsibilities:

- a) Operate, maintain & manage the existing facility/(ies) on its own cost
- b) Deploy the required human resources with adequate skill and number for proper functioning of the facility with required standards
- c) Upgrade, enhance, and augment (new testing lines, existing testing lines) the facility as proposed in their EOI (annexure III)
- d) Arrange for all finance for operation and maintenance of existing facility/(ies), proposed augmentation, enhancement for satisfactorily fulfilment of its obligation in accordance with bidding document (RFQ/RFP/Draft Service Agreement).

7.1.2. The MSME Department reserves the right to amend, revise the scope of work of the project during any stage of the selection process as defined in Clause 6 of this EOI

8. Checklist of Documents to be Submitted as a Part of the Eoi:

1. Application for submission of EOI. Brief profile of the applicant (Appendix I)
2. Relevant licence/ experience along with supporting documents
3. Details of Applicant (Appendix II)
4. Statement of Blacklisting (Appendix III) and (Appendix IV)
5. Technical Capacity of Applicant (Appendix V)
6. Financial Capacity of Applicant (Appendix VI)
7. Approach & Methodology (Appendix VII)

Section - II

EXPRESSION OF INTEREST (EOI)

For

**OPERATING 6 STATE GOVERNMENT TESTING LABORATORIES ON PPP
MODE**

APPENDICES

APPENDIX I
(On the letter head of the Applicants)
LETTER OF SUBMISSION OF EOI

To,
The Principal Secretary,
Micro, Small & Medium Enterprises Department,
Kharavel Bhawan, Gopabandhu Marg, Keshari Nagar,
Bhubaneswar-751001

Sub: EOI for the “Selection of Operators for Operating Six State Government Testing Laboratories on PPP Mode

Dear Sir,

1. With reference to your EOI document dated, I/we, having examined the EOI document and understood its contents, hereby submit my/our EOI for the aforesaid Project.
2. I/ We acknowledge that the Authority will be relying on the information provided in my/our EOI and the documents accompanying such EOI for selection of the Operator for the aforesaid Project, and we certify that all information provided therein in my/our EOI is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying my/our EOI are true copies of their respective originals.
3. This statement is made for the express purpose of our interest in selection as Operator for the operation and maintenance of the aforesaid Project.
4. I/ We shall make available to the Authority any additional information it may find necessary or require supplementing or authenticate my/our EOI.
5. I/ We acknowledge the right of the Authority to reject our EOI without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
6. I/ We declare that
 - a) I/ We have examined and have no reservations to the EOI document, including any

Addendum issued by the Authority.

- b) the undertakings given by us along with the Application in response to the EOI for the Project were true and correct as on the date of making the Application and are also true and correct as on the Due Date as mentioned in EOI and I/We shall continue to abide by them.

- 7. I/ We understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any EOI that you may receive nor to invite the Applicant to Bid for the Project, without incurring any liability to the Applicant.

- 8. I/We enclose in the prescribed formats certificates in support of our suitability technical knowhow and capability for having successfully completing the projects.

- 9. I/We agree and understand that in no case, I/We shall have any claim or right of whatsoever nature if the Project / Concession is not awarded to me/us or our EOI is not opened or rejected.

- 10. I/ We agree and undertake to abide by all the terms and conditions of the EOI document.

- 11. In the event of award of Project to me/us, I/We agree and undertake to pay the annual rental to the Authority in the mode and manners mentioned in the EOI

In witness thereof, I/we submit this Application under and in accordance with the terms of the RFP document.

Yours faithfully,

Date:

(Signature of the Authorised signatory)

Place:

(Name and designation of the of the Authorised signatory)

Name and seal of Applicant

APPENDIX II
(On the letter head of the Applicants)
Details of Applicant

- (a) Name:
 - (b) Country of incorporation:
 - (c) Address of the corporate headquarters and its branch office(s), if any, in India:
 - (d) Date of incorporation and/ or commencement of business:
2. Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Project:
3. Details of individual(s) who will serve as the point of contact/ communication for the Authority:
- (a) Name:
 - (b) Designation:
 - (c) Company:
 - (d) Address:
 - (e) Telephone Number:
 - (f) E-Mail Address:
 - (g) Fax Number:
4. Particulars of the Authorised Signatory of the Bidder:
- (a) Name:
 - (b) Designation:
 - (c) Address:
 - (d) Phone Number:
 - (e) Fax Number:
5. Date of Incorporation: (*Copy of incorporation certificate to be submitted*)

APPENDIX III

Statement of Blacklisting

No.	Criteria	Yes	No
1.	Has an Applicant or any constituent partner (in case of partnership firm) or its associates has been barred/declared as non-performer/ blacklisted by the Central/ State Government, or any entity controlled by it, from participating in any project.		
2.	If the answer to 1 is yes, does the bar subsist as on the date of EOI		
3.	Has the organization or any constituent partner (in case of partnership firm) paid liquidated damages of more than 5% of the contract value in a contract due to delay or has been penalized due to any other reason in relation to execution of a contract, in the last three years?		

A statement by the Applicant or any of their Associates disclosing material non-performance or contractual non-compliance in past projects, contractual disputes and litigation/ arbitration in the recent past is given below (Attach extra sheets, if necessary):

APPENDIX IV

Statement of Blacklisting

S. No	Criteria	1st last year	2nd last year	3rd last year
1.	If an Applicant or any constituent partner (in case of partnership firm) has either failed to perform for works of on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder or any of its Consortium Member, as the case may be, or has been expelled / terminated by Central/ State Government, or any entity controlled by it for breach by such Bidder or any of its Consortium Member, along-with updated details of ongoing process of litigation / blacklisting.			

A statement by the Applicant or any of their Associates disclosing material non- performance or contractual non-compliance in past projects, contractual disputes and litigation/ arbitration in the recent past is given below (Attach extra sheets, if necessary):

APPENDIX V
(On the letter head of the Applicants)
Technical Capacity of the Applicant

Details of Experience of running /operating Laboratory in India

Sl. No	Name and address of the Laboratory	Self-Owned (Yes/No)	Client Name & Contact Details (if not Self-Owned)	Project start date	Project End Date	Accreditation with which Regulating Authority	Litigation/Arbitration if any with details

Note:

i *Add more rows if necessary.*

Appendix VI
(On the Auditor's Letterhead)
Financial Capacity of an Applicant (In Rs. Lakhs)

Particulars	Year 2020-21	Year 2021-22	Year 2022-23
Annual Turnover			

Certificate from the Statutory Auditor

This is to certify that(name of the Applicant) is having average Annual turnover of Rs Lakhs (Rupees Lakhs only) in last 3 Financial Years starting FY 2020-21, FY 2021-22 and FY 2022-23.

Date
Name & Signature of Auditor
Registration number of CA

Note: This information should be extracted from the Annual Financial Statement/Balance Sheet which should be enclosed, and the response sheet shall be certified by the Statutory Auditor of the Applicant.

Appendix VII

Approach & Methodology

1. Project Understanding
2. Market Research (Demand and Supply Analysis)
3. Information regarding alternative /new/updated technology, machinery available for testing labs
4. Proposed enhancement in existing Testing Lab in terms of technology and capacity
5. Proposed additional testing lines
6. Estimated Investment details (I- Capital Investment, II Operational Expenses)
7. Proposed Manpower (Organogram, roles and responsibility and numbers, Outsourcing activities)
8. Proposed Marketing Activities
9. Measures for Quality Regulations
10. Support required from Authority

Annexure A

TESTING LABORATORY, CUTTACK

Address: - Industrial Estate, Khapuria, Cuttack-

Total Land Area- 42120 Sq. feet.

Building Area- 19800 Sq. feet.



Testing facilities available.

TESTING LABORATORY, CUTTACK

TESTING FACILITY AVAILABLE

1.Chemical Section

Chemical analysis of ferrous & non-ferrous metals & alloys & its products, Galvanization, AluminoFerric, Aluminium Sulphate, Non-ferric, Cement, Poly Aluminium Chloride, Coarse Aggregate & Fine Aggregate, Quick & Hydrated lime, Building lime, Bleaching Powder, Limestone & Dolomite, Water For construction, Leathers: Leather products, Cotton yarn waste, Textile material (Cotton & wool percent), Soap, Rubberized Coir Sheets for Cushioning, Curled Type, Indelible ink, Wood

2.Paint Section

Etch (Pre-treatment) Primer, Ready mixed paint, Brushing, Bituminous, Black, acid, alkali, Water & Chlorine Resisting, Ready mixed paint, air drying, Red oxide-zinc chrome, Priming- specification Ready Mixed paint, Brushing, Zinc Chrome, Priming, Aluminium Paints for general purposes Anti corrosive bituminous emulsion

3.Paper Section

Printing Map litho Paper, Cream laid and Cream wove/Printing White/Printing coloured/Printing Offset, Azure laid Paper, Bond Paper, Account Book, Type Writing Paper, Printing White Super Calendared, Kraft Paper, Coated Paper, Plain Copier Paper, Pulp Board for General Purpose, Computer paper.

4. Mechanical/ Physical Section

Structural steel, Tor steel (Deformed steel bar), Metal Rolling shutter, Collapsible gate, Metal chair, Metal table (office type), Steel shelving cabinet, G.I barbed wire' Riser pipe' Hard drawn steel wire, Hospital bed stand, Composite office table, Compact desk cum bench single bed cot, Hardness of metal & rubber, Coarse Aggregate & Fine Aggregate, Cement

5.Drug Section

Handloom Cotton Bandage (Non sterilized), Handloom Cotton Gauge, Handloom cotton gauge for Plaster of Paris bandage.

EXISTING MACHINES AVAILABLE

Physical Section

Sl.No	Name of the machines
01	Universal testing machine ZD-100/German
02	Universal testing machine with Microprocessor FI-UTE-40
03	Universal testing machine ZD-20/German
04	Vickers-cum-Brinell Hardness tester/German/HPO-250
05	Digital Tensile Testing Machine – 500 kg.
06	Tensile Testing Machine/PRECISION/RT-5/250Kg.
07	Compression Testing Machines, Make-ASI, 200-ton cap.
08	Compression Testing Machines, Make-HELCO, 200-ton cap.
09	Length Comparator

10	Autoclave (Analog Pressure Gauge)
11	Curing Tank
12	Humidity Chamber with Temp. & RH
13	Le- Chatelier Water Bath
14	Lathe Machine
15	Shaper Machine
16	Drilling Machine

Chemical Section

SI No	Name of the Machine/Equipment
1(a)	Optical Emission spectrophotometer, make-METAVISION, Model- 108 N with manual 7 accessories
(b)	3 in 1 sample preparation machine with manual & accessories.
2	Digital magnetic stirrer with hot plate, make- TARSON.
3	Microtek online UPS,2KVA-72V
4	Hot plate with magnetic stirrer,make- ARSON
5	Muffle furnace, cap-1200 c, make- ARSON
6	Digital magnetic stirrer with hot plate, make- TARSON (same as SI No. 2 of page 10-11)
7	High precision metrological standard weights & weight box, make-WENSAR, range-2mg to 200 mg, class F-1
8	Oxygen cylinder (10.2 kg) capacity, ISI marked – 1 no, flow metre- 1 no, oxygen cylinder trolley- 1 no. & oxygen cylinder key – 1 no.
9	Laboratory electronic top pan balance, make- K.Roy, cap- 600g, accuracy- 0.01g
10	Digital balance with density measurement kit arrangement under water, Make- Contech, Model- CA- 223, cap- 200g, LC-0.001g
11	Dean and stark apparatus
12	Digital tap loading analytical balance, make- Mettler Toledo, model- ML204, cap- 220g, LC-0.0001g
13	LED display digital thermo hygrometer
14	Carbon & sulphur estimation apparatus a. Tube furnace b. Control panel consisting of step-down transformer fitted with digital temp. Indicator with LED display
15	Digital weighing balance platform type, Make- APPTECH, cap-1 kg, LC- 0.1g.
16	Water bath thermostatically controller, double walled, stainless steel inside & outside mild steel duly with stove enamelled with thick glass wall insulation between the walls

17	New argon gas cylinder 47 ltr water capacity
18	HP i 3 CPU, S.L No- CVV7381CKA
19	Mini rotary shaker, make- REMI, size- 12 "x 12 "
20	Mini rotary shaker, make- WISWO, size- 450 x 600 x 450mm
21	Hot plate, rectangular, make- WISWO, size-300 x 450 mm
22	Digital hygrometer
23	Digital weighing balance, hanging type, cap- 5g to 50 g.
24	Refrigerator, double door, make- SAMSUNG, model- REF- RT28N3022MU/HL, Ssl No- 044K4PBKA00838
25	Printer, HP ink tank- 319
26	Cleveland open cup viscometer consisting of test cup heating plate, test flame applicator
27	LG air conditioner, model- JSUQ18NUXA750MAFC014531, 1.5 ton
28	Adjustable steel rack
29	Digital weighing balance, make- Mettler Toledom model- ML204
30	Platinum tipped tong
31	Platinum crucible with lid, wt= 29.935 g
32	Crucible tong, 36", S. S
33	PH Meter, Digi sun (Out of order)
34	X-Toy Double pan balance, cap= 200g (Out of order)
35	Weight Box (Dollar), Cap= 200g
36	Oxygen regulator
37	Analytical balance, Contech (Out of order)
38	Refrigerator with stand, whirlpool
39	Automatic line voltage corrector, o.5 KVA
40	pH meter, Model- 111E (Out of order)
41	Muffle Furnace, Vikram Scientific
42	Platinum Crucible (SI - 1 to 5)
43	Platinum wires (SI- 1 & 2)
44	Platinum electrodes (1 to 3)
45	Platinum Dish, Cap- 100g
46	Platinum wares
47	Digital Burette, MERCK
48	UV visible spectrophotometer (out of order)
49	Distillation plant, SIMCO (Out of order)
50	Distilled water plant, YSU-410
51	pH meter microprocessor controlled, Systronics
52	Hygrometer digital
53	Heating Mantel

Paint Section

SI No	Name of the Machine/Equipment
1	Gardner Abrasion Tester for testing of paint as per IS: 5411 (II)/1972 and accessories
2	Pendulum type Impact Tester for testing paint as per IS: 169/1973 and accessories
3	Apparatus for determination of nonslip property for testing paint as per IS: 6714 and accessories
4	Hegman Gauge
5	Gardner Variable Impact Tester
6	Automatic Muller and stainless-steel palette knife
7	Marble plates
8	Sieve, 63 microns
9	Twin applicator
10	Electrodes consisting of solid cylinder of top electrode and flat dice of brass as per IS: 350/1968
11	Test Tube with plunger
12	Water Spraying apparatus
13	Microscope for particle shape with magnification of 400 as per IS: 66/72 and accessories
14	Flat point apparatus abell electrically heating arrangement with abell oil cup thermometer and abell water bath thermometer
15	Ford Cup B-4
16	Weight per imperial gallon cup made of stainless steel
17	Paint pressure tester
18	Salt spray cabinet with compressor control valve stabilising cylinder and pressure gauge (Out of order)
19	Scratch hardness tester, model- PT-6
20	Paint corrosion cabinet with 18 panels, (Out of order)
21	Paint corrosion cabinet, 6 panels, ICT
22	Chequer Board s per IS: 101/64
23	Ring & Ball apparatus with beaker and stirrer wire
24	Bend test apparatus
25	Scratch hardness tester, electrically operated
26	Brass seal
27	Elcometer, petroleum Inst. Corp.
28	Apparatus for determination resistance to wear
29	Accelerated weathering apparatus, SD make with transformer for carbon arc lamp compressor with ¼ HP Motor for spraying carbon arc lamp, water tank
30	Thermostatically controlled low temp. Water bath, SD make
31	TIC, make paint corrosion cabinet
32	Spray gun with portable compressor

33	Marshall Compaction hammer
34	Wet abrasion tester for emulsion paint
35	Glossometer with 450 angles
36	Pico Glossometer with 450 angles
37	Scratch Hardness tester
38	Salt Spray Corrosion cabinet
39	Abel open cup flash point apparatus
40	High speed centrifuge

Drugs Section

SI No	Name of the Machine/Equipment
1	Dissolution Test Apparatus
2	Digital analytical weighing balance
3	Water Bath
4	Hot plate
5	Magnetic Stirrer
6	Vacuum pump
7	Ulstrasonocator
8	Hot air oven

Paper Section

SI No	Name of the Machine/Equipment
1	Air Permeability Tester DL Model (Densometer)
2	K.B. Desk Trimer, 13"
3	Biological Microscope complete in cabinet (Research type), Pathological Olympus, Model- gHs, Sl. No- 27052
4	Bursting Strength Tester, Model BP- 30 with 2 pressure gauge
5	Bursting strength Tester
6	Sizing Tester
7	Folding Tester for paper (Double fold test)
8	Absorbency Tester (Cobb Tester)
9	Thickness Gauge
10	Strength Tester FDP-40 (Tensile tester)
11	IPU Pressure Gauge, Scientific
12	ELMENDROF Tearing Tester
13	Clark Stiffness Tester
14	Dry & Wet Bulb Thermometer
15	Single Pan Balance "Dhona" Make.

16	Smoothness Tester
17	Opacity Tester
18	Brightness Tester
19	Bursting Strength Apparatus
20	De-Humidifier MAC model MSW – 131
21	Tearing Strength Tester Elmendorf type, Digitl Model UEC- 1008B
22	Digital Bursting Strength Tester, UEC- 1010D
23	Digital Brightness Tester, UEC- 1017
24	Smoothness & Porosity Tester (Bendtsen) UEC-1013
25	Porosity Tester with Electronic Timer UEC-1012A
26	Computer CPU & Monitor (Wipro 17” TFT Monitor)
27	Printer HP Laser Jet P 1007
28	UPS for Computer
29	Environmental Chamber
30	Digital Humidity Meter
31	2 KVA Servo Voltage Stabilizer (Attached to Brightness Tester)
32	3.0 KVA Online UPS
33	Digital thickness Micrometer, Asian
34	Curl Tester, ASIAN
35	GSM Tester, Make “GLOBAL”
36	Punch & Die cutter for GSM
37	Digital Tensile Tester, GLOBAL Make
38	Punch & Die cutter for Tensile Test
39	Demission Wax stick consumable item with spirit lam
40	Stiffness Tester “GEC”
41	Cobb Tester “GLOBAL”
42	Analytical Balance, “Contech” Make
43	Brightness & Opacity Tester, SGT Make
44	Digital Tear Tester, SGT Make
45	Digital Burst Tester, SGT Make
46	LG Air Conditioner
47	4 KVA Stabiliser for Air Conditioner
48	Humidifier, S.S. Model, 5 ltr cap., Make- WISWO

TESTING LABORATORY, BALASORE

Address:- Industrial Estate, Balasore.

Total Land Area- 15000 Sq. feet.

Building Area- 5000 Sq. feet.



TESTING FACILITIES AVAILABLE.

Fine Aggregate(Sand), Coarse Aggregate, Water for construction purpose, Paver Blocks, Chequered Cement concrete tile, Soil &Moorum, Concrete Cubes, Cement, Flush Door Shutter, Burnt clay Building Bricks, Fly Ash Bricks, Bitumen mix, Bitumen, H.S. Deformed Steel Bar, M.S Angle, Channel, Bar, Beam, Flat &, Sections, M.S Tube for structural purpose, Steel Tubes. H.D wire, Mild steel & Medium Tensile steel Bar, C.R Sheet, Welded test coupons

EXISTING MACHINES AVAILABLE.

MECHANICAL SECTION

SI No	Name of the Machines
1.	UTM-40E(Computerized) Make-Lawrence & Mayo Sl.No.2014/1046
2.	Digital Display Compression Testing Machine 0-2000KN Sl.No.130536
3.	Digital Compression Testing Machine Model-4LDCV10G Sl.No.02/16
4.	Penumatic Air Compressor
5.	Vibrating Machine (New), Humidity Chamber (Make-Global)
6.	Refrigerated Water Tank (Make-Teknik),
7.	Curing Water Tank
8.	Hardness Tester Machine Model-TRSNTD Sl.No.2014/263
9.	Universal Testing Machine (Make-Precession 40Ton (Model-PMT1C Sl.No.9302)
10.	Tensile Strength Tester Capacity-500Kgf Prolific Make)
11.	Tensile Testing Machine-1000Kg Cap (Model-MT-16 Sl.No.800116 Precession Make)
12.	Tensile Tester (Make-Kamal Metal Industries, Model-1.3D
13.	Bench Grinder (Make- Moson Power),
14.	Table Drill Machine
15.	Tensile Tester (Make-Prolific

16.	Compression Testing Machine,200Ton (Make-Enkay)
17.	Abrasion Testing Machine (Los Angeles)
18.	Vibrating Machine
19.	Impact Test Machine, UPVC-Hand Impact Test Machine
20.	Sieve Shaker Machine (Make-Indosati)
21.	Power Hacksaw (Make-Matchless)
22.	Long Term Hydraulic Testing Machine for UPVC
23.	Dart Impact Tester for HDPE 220 volts/1-phase (Make-Prolific).

TESTING LABORATORY, ANGUL

Address:- Industrial Estate, Angul.

Total Land Area- 19776 Sq. feet.

Building Area- 3772 Sq. feet.



TESTING FACILITIES AVAILABLE.

Tensile Test Bar / Welded Test Piece / MS Angle/MS Flat/, MS Round/,MS Plate/ , MS Channel/, Beam/Square Bar etc., Deformed steel/, MS Rectangular Pipe/ Square Pipe /Galvanized Iron, /CR sheet, (machined specimen), Cement / Concrete cube/ Clay Bricks/ Fly Ash Bricks, Fine aggregates / Coarse Aggregates, Concrete Mix Design, Water for , construction purpose, Alumino ferric / Non ferric alum, Bleaching Powder, (Chemical)Hydrated lime /quick lime, (Chemical), Hard drawn steel wire, PAPER/ TEXTILE Steel shelving cabinet/ Compact desk cum bench/Steel chair /, Metal table (office type/composite office table)/, Single bed cot/Steel rack/Steel book shelf, **HDPE/ PVC Items** Tensile Test Bar / Welded Test Piece / MS Angle/MS Flat/, MS Round/, MS Plate/, MS Channel/, Beam/Square Bar etc.

EXISTING MACHINES AVAILABLE.

PHYSICAL SECTION

Sl.No.	Name of the Machines
1	Universal Testing Machine-400KN, Compression Testing Machine-200T
2	Compression Testing Machine-500KN
3	Digital Rockwell Hardness Tester (HRA-60Kgf, HRBW-100Kgf, HRC-150Kgf)
4	Universal Testing Machine-600KN with microprocessor
5	Pipe Bending Machine
6	Tensile Testing Machine-500Kgf
7	Impact Testing M/c for Aggregate
8	Los Angeles Abrasions Testing Machine
9	Apparatus for Crushing Strength
10	Thickness gauge for Flakiness Index
11	Lathe Machine
12	Shaper Machine
13	Power Hacksaw
14	Chop saw Machine
15	Power Saw for Wood
16	Pedestal Grinder
17	Bench Drill
18	Hand Drill
19	Length Gauge for Elongation Inde
20	Cylindrical metal measure(3ltr.,15ltr.,30ltr.) Le-Chatelier Water Bath,
21	Curing Tank
22	Humidity Chamber
23	Autoclave
24	Length Comparator
25	Vicat Apparatus
26	Blain air permeability Apparatus,

27	Mixture Machine
28	Vibrating Machine
29	Le-Chatelier mould
30	Cubemould for Cement testing
31	Autocvavemould
32	Digimatic Calliper (0-200mm,0.01mm)
33	Digimatic External micrometre (0-25mm,0.001mm),
34	Steel Scale (0-300mm, 1mm)
35	Steel Tape (0-300mm,1mm)
36	Digital Balance(1kg), Digital Balance (25kg),
37	Digital Balance (15kg),
38	Digital Balance (150kg),
39	IS Sieve (75 μ ,90 μ ,150 μ ,180 μ ,300 μ ,600 μ 1.18mm,2.36mm, 4.75mm, 5.6mm,10mm,11.2mm, 12.5mm,13.2mm, 19mm,20mm, 22.4mm, 26.5mm,40mm,45mm, 50mm ,53mm, 63mm, 75mm, 80mm, 90mm, 100mm, 125mm),
40	Sieve shaking Machine, Tools (Hammer, Chisel, Punch, Wrench, Hacksaw blade).

CHEMICAL SECTION

Sl.No	Name of the Machines
1	Digital temperature controller cum Indicator of tube furnace of Stroh line apparatus (1250° c),
2	Hot Air Oven (0-300 °C ,1 °C), Hot Plate
3	Hot Plate
4	Muffle Furnace
5	Digital Balance
6	Mettler Toledo (0.1mg to 220g, L.C-0.0001g),
7	Glass Thermometer (0 to 50 °C ,1 °C, 0 to 250 °C ,1 °C,0 to 360 °C ,1 °C),
8	Weight Box (1mg to 200g),
9	Burette, Borosil (50ml,0.1ml) (25ml, 0.1ml),
10	Measuring Cylinder,
11	Borosil (10ml,0.2ml) (50ml,1ml),(100ml,1ml)(250ml,2ml)(1000ml,10ml)
12	Volumetric Flask
13	Borosil (*100ml,250ml,500ml),
14	Suction Pump
15	Sedimentation App
16	Compaction Test apparatus for of soil

17	Liquid limit apparatus for of soil
18	Rapid moisture meter
19	Ductility Machine with mould, Pensky-Martens Tester, Penetrometer
20	Ring & Ball Apparatus
21	Distil Water Plat
22	Bitumen Extractor
23	Oxygen Cylinder

TESTING LABORATORY, BERHAMPUR

Address: - Industrial Estate, Berhampur

Total Land Area- 15899 Sq. feet.

Building Area- 5909 Sq. feet.



TESTING FACILITIES AVAILABLE.

PHYSICAL SECTION

C.R Sheet, Cellular Light Weight Concrete (CLC) Bricks, Cement Concrete Cubes, Coarse Aggregates, Common Burnt Clay Bui, ding Bricks, Composite Office Table, Design Mix Samples, Grades M-20, M-25, M-30, M-35 & M-40., Fine Aggregates, G.I Pipe Socket, Galvanised Nut & Bolts, HSDS (High Strength Deformed Steel) Bars, Kerb Stone, M.S All drop, M.S Angle, M.S Hollow Rectangular/ square Tube, M.S Hollow Round Tube, M.S Round, M.S Square Bar, M.S Square Pipe, M.S Tower Bolt, Mild steel and medium tensile steel bars and hard- drawn steel wire for concrete reinforcement, OPC (Ordinary Portland Cement), PPC (Pozzolana Portland Cement), PSC (Portland Slag Cement), Pulverized Fuel Ash-Lime Bricks (Fly Ash Bricks), Screw, Steel Butt Hinge, Zig- Zag Pavers

CHEMICAL SECTION

Alum (Ferric/Non-Ferric), Bleaching Powder, Reinforcement Bar, OPC (Ordinary Portland Cement), PPC (Pozzolana Portland Cement), PSC (Portland Slag Cement), Quick Lime, Water for Construction Purpose, Zinc-coated Galvanized Products

DRUG SECTION

Hair Cream, Hair oil, Handloom Absorbent Cotton Gauze (Non-Sterilised), Handloom Cotton Bandage Cloth (Non-Sterilised), Handloom Cotton Cloth for Plaster of Paris (Non-Sterilised), White & Black Disinfectant Fluid (Phenyl)

EXISTING MACHINES AVAILABLE.

PHYSICAL SECTION

Sl.No	Name of the Machines
1	Universal Tensile Testing Machine
2	Compressive Testing Machine
3	Rockwell Hardness Testing Machine
4	Aggregate Impact Testing Machine
5	Abrasion (Los Angeles) Testing Machine
6	Flakiness Gauge for aggregate Testing
7	Elongation Gauge for aggregate Testing,
8	Cylindrical Metal Measure
9	Digital Humidity Chamber
10	Blain Air Permeability Apparatus
11	Pipe Bending Machine (Hand Operated)
12	Cube Mould
13	CHOP SAW
14	Circular Power Shaw
15	Compaction Factor Apparatus
16	Cement Concrete Mixture
17	Flakiness Gauge
18	Grinding Machine
19	Surface Grinder
20	Hydraulic Power hacksaw
21	Impact Resistance test Apparatus for Polyethylene Sheet
22	Lathe Machine
23	Marble Cutter
23	Length Compactor
25	Digital & Manual Micrometres
26	Digital & Manual Callipers

27	Bevel Protractor
28	Sieve Shaking Machine,
29	Shaping Machine
30	Slump Cone Apparatus
31	Vibrating Machine (Cement Mould)
32	Vibrating Table
33	Vicat Apparatus
34	Weighing Scale
35	Wrap Reel (Hand Operated), Drilling Machine
36	Le-chatelier Mould with Flask, Pressure Head Testing Apparatus
37	Drilling Machine,
38	Pressure Head Testing Apparatus,
39	Dehumidifier
40	Refrigerated Water Tank
41	Platform Digital Balance
42	Make-K.Roy

CHEMICAL SECTION

Sl.No	Name of the Machines
1	Strolein Apparatus with combustion Device & Oxygen Cylinder
2	Muffle Furnace
3	Make-Test Master
4	Hot Air Oven, Make-Test Master
5	Digital Weighing Balance
6	Make-Sartorius
7	Model No-BSA2245-CW
8	pH Meter
9	Make-Eutech

DRUG SECTION

Sl.No	Name of the Machines
1	Muffle Furnace
2	Make-NSW
3	Digital Weighing Balance
4	Make-Mettler, Model No-ME220
5	Digital Weighing Balance
6	Make-K.Roy, Model-BW-600
7	Humidity Chamber Temperature
8	Hot Air Oven
9	Make-Eloee

10	Incubator Make-Tempo
11	Incubator
12	Autoclave (Vertical Type) Make-YORCO
13	pH Meter Make-Lab India
14	Digital Hot Plate Make-NSW
15	Laminar Air Flow Bench Make-Unilab
16	Microprocessor based Colony Counter Make-EL

TESTING LABORATORY, BOLANGIR

Address: - Industrial Estate, Bolangir.

Total Land Area- 11979 Sq. feet.

Building Area- 5780 Sq. feet.



TESTING FACILITIES AVAILABLE.

Coarse Aggregate, Fine Aggregate, Concrete Cube, Paver blocks, Burnt Clay building brick, Pulverized fuel ash lime bricks, Ordinary Portland cement 33 ,43, 53 grade, Portland pozzolana cement (Fly ash based) Portland slag cement, Reinforcement steel.

EXISTING MACHINES AVAILABLE

Sl No	Name of the Machines
1	Computerized Universal Testing Machine-600 KN (Model-TFUC 600, Sl.No.2013-105)
2	Compression Testing Machine Capacity-200 ton (Make-INTERNATIONAL Sales Corporation)
3	Compression Testing Machine Capacity-500 KN (Make-ASI Instrument)
4	Digital Vernier Make-Mitutoyo)
5	Measuring Tape Capacity-3 mtrs. (Make-Toplok)
6	Weighing Machine (Make-Phoenix)
7	New Weighing Machine (Make-App-Tech
8	Vicat's Apparatus (Make-Millimetre
9	Steel Rule
10	New Digital Micrometer (Mitutoyo)

11	New Vibrating Machine (Amil Ltd)
12	New Vibrating Table (*Deck Size 500mm x 500mm)
13	New Cube Mould (70.6mm)
14	New Cube Mould (150mm)
15	New Curing Tank (Make-Teknik)
16	New Hot Air Oven (Labpro International, Model-UTS-1.01, Sl.No.LABPRO 20042).

TESTING LABORATORY, ROURKELA

Address: - Industrial Estate, Rourkela-769012

Total Land Area- 68399 Sq. feet.

Building Area- 11674 Sq. feet.



TESTING FACILITIES AVAILABLE.

Physical Section.

Coarse Aggregate, Stone Ballast, Fine Aggregate, Concrete Cube, Paver blocks, Burnt Clay bricks, fly ash bricks, Ordinary Portland cement 33 ,43, 53 grade, Portland pozzolana cement (Fly ash based), Portland slag cement, Reinforcement steel

Chemical Section.

Lime, Carbon Steel (Low carbon, medium carbon, High carbon) Stainless steel Alloy steel, Bleaching powder, Metallic coating, Iron Ore, Limestone & dolomite, Coal, Construction water, Tar macadam, Sealing wax, Riser pipe & socket, Dolomite

EXISTING MACHINES AVAILABLE

Mechanical Section

Sl No	Name of the Machines
1	Digital Compression Testing Machine (Model-NI-2070)
2	Universal Testing Machine (Madel-UTE-100T/FIE MAKE)
3	Universal Testing Machine/Digital (Model-ZD/GDR MAKE)
4	Universal Testing Machine/Digital (Model-LYNX/UTM 40E)
5	Digital Weighing Balance (Model-METTLER Toledo Me/204)
6	Digital Weighing Balance (Model-APP-Tech)
7	Digital Vernier Calliper (Model-mitutoyo)
8	Vicat's Apparatus (Model-Aimil)
9	Vicat's Apparatus (Model-Millimeter)
10	Lathe Machine
11	Shaper
12	Power Hachsaw
13	Vertical Driling
14	Balance Apparatus (Model-Aimil)
15	Bending Machine