

**PROCEDURE  
FOR  
ENLISTMENT  
AND  
TERMS & CONDITIONS  
OF  
CONSTRUCTION CONTRACTORS  
&  
LOGISTIC SERVICE PROVIDERS**

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## **WHO CAN APPLY**

### **Construction Contractors:**

Any Construction Contractor who has been awarded the job by owner or sub-contractor of the main contractor and who has experience of similar jobs carried out during past 07 years. Details of type of experience required for enlistment under Section-V(A).

### **Logistic Services Provider:**

Any Contractor who has been awarded the job by owner or sub-contractor of the main contractor and who has experience of similar jobs carried out during past 07 years. Details of type of experience required for enlistment under Section-V(B).

## **SECTION-I: General Instruction to Construction Contractors/ Logistic Service Providers**

1. Construction Contractor/ Logistic Service Provider will submit application and upload all documents online through web portal. Application submitted through any other mode will not be accepted for processing.
2. Construction Contractor/ Logistic Service Provider seeking enlistment are advised to read carefully all details required, terms & conditions. Evaluate before applying, whether your company qualifies for enlistment against trade categories for which seeking enlistment and also requirement of uploading the applicable documents online.
3. All files to be uploaded must be in PDF, and maximum size of each file should not exceed more than 20MB.
4. Applicant shall give details about itself or any of his partners or shareholders being blacklisted or removed from approved list of contractors, or demoted to lower class or order passed banning/suspending business with the applicant etc. by any Govt. Department/PSU in the past.
5. Processing of application for enlistment shall generally take around 6 months. However, this depends on quality of document submitted and time taken to respond to EIL queries.
6. In case of receipt of incomplete documentation, Construction Contractor's/ Logistic Service Provider's application shall be rejected.
7. Upon successful completion of review by Competent Authority, letter of enlistment shall be issued. The validity of enlistment shall be for a period of 3 years and thereafter same is required to be revalidated as per the applicable procedure.
8. Construction Contractor/ Logistic Service Provider can view status of their application on EIL website (<http://enlist.eil.co.in>).

## **SECTION-IIA: General Criteria to Construction Contractors**

1. A job executed by a contractor for its own plant/projects cannot be considered as experience for the purpose of meeting requirement of enlistment criteria. However, jobs executed for Subsidiary/ Fellow subsidiary/ Holding company will be considered as experience for the purpose of meeting enlistment criteria subject to submission of tax paid invoice(s) duly certified by Statutory auditor of the contractor towards payments of statutory tax in support of the job executed for Subsidiary/ Fellow subsidiary/ Holding company. Such contractor shall submit these documents in addition.
2. A job completed by a contractor as a sub-contractor shall be considered for the purpose of meeting the experience criteria of enlistment subject to submission of following documents in support of meeting the "Enlistment Qualification Criteria":
  - a) Copy of work order along with SOR issued by main contractor.
  - b) Copies of Completion Certificates from the end User/ PMC and also from the main Contractor. The Completion Certificates shall have details like work order no./date, brief scope of work, ordered & executed value of the job, completion date etc.

### **3. For Experience Based On Composite Works:**

In case contractor have completed contract(s) of composite works which includes any of the qualifying work(s), then value of such qualifying work(s) out of the total value of composite works shall be considered for the purpose of qualification.

**Note:** For composite works, in the event the value of the qualifying work(s) cannot be ascertained from the work order/ completion certificate submitted by contractor, Copy of Schedule of Rates (SOR) as per Contract, relevant pages of Contracts, Copy of relevant pages of final bill certified by Owner for establishing requirement of Qualification Criteria or written letter from their Client specifying the nature of work with quantities and values can be submitted for qualification.

4. In case experience i.e. work order is in the name erstwhile agency which has subsequently been acquired by or merged with agency requesting enlistment, such experience will be considered only on submission of legal documents in support of such acquisition or merger.
5. 100% owned subsidiary of a Foreign Agency can be considered for enlistment provided the work has been carried out by them. However for design & engineering they can have backup from their parent company.
6. In case more than one work order /Purchase order (for example work orders for engineering, supply and erection) is issued against same tender/ purchase requisition for supply and construction value of such orders will be clubbed and it will be considered as a single work order.
7. If, jobs were executed earlier on joint venture or consortium basis, requisite details pertaining to nature of job, responsibility/scope of the contractor along with copy of joint venture/consortium agreement clearly indicating scope, responsibility of the partners, final executed value by the Contractor along with documentary proof regarding break up of executed value among partners of consortium/joint venture, type of guarantees provided etc.
8. In case of specialised jobs, if engaging services of a backup consultant, copy of valid Memorandum of Understanding/Agreement with such backup consultant and credentials of experience of back up consultant is required.

9. In case of package jobs, detailed information regarding scope of work executed based on in-house facilities available in respect of design, detailed engg. and procurement, inspection and quality control etc. shall be furnished.
10. In case of package jobs where design and engineering is in the scope of contractor, one year satisfactory operation certificate is required issued by End User.
11. In respect of Electrical works an attested copy of Electrical Contractor Licence with name of issuing authority and validity of licence is required to be furnished.

### **SECTION-II B: General Criteria to Logistic Service Providers**

1. In case experience i.e. work order is in the name erstwhile agency which has subsequently been acquired by or merged with agency requesting enlistment, such experience will be considered only on submission of legal documents in support of such acquisition or merger.
2. 100% owned subsidiary of a Foreign Agency can be considered for enlistment provided the work has been carried out by them.
3. Experience of the contractors will be considered for jobs carried out in India for the jobs to be executed in India. Experience for foreign countries may be submitted.
4. If, jobs were executed earlier on joint venture or consortium basis, requisite details pertaining to nature of job, responsibility/scope of the contractor along with copy of joint venture/consortium agreement clearly indicating scope, responsibility of the partners, final executed value by the Contractor along with documentary proof regarding break up of executed value among partners of consortium/joint venture, type of guarantees provided etc. shall be furnished.
5. A job completed by a contractor as a sub-contractor shall be considered for the purpose of meeting the experience criteria of enlistment subject to submission of following documents in support of meeting the "enlistment Qualification Criteria":
  - a) Copy of work order along with SOR issued by main contractor.
  - b) Copies of Completion Certificates from the end User/ PMC and also from the main Contractor. The Completion Certificates shall have details like work order no./date, brief scope of work, ordered & executed value of the job, completion date etc.

### **SECTION-III: Document Required in Hard Copies Post Online Application for Construction Contractor/ Logistic Service Provider**

Construction contractor/ logistic service provider are required to upload the scanned copy of all documents at our website. However, following qualification documents to be submitted duly certified either by statutory auditor or Notary Public, in original along with the online application printout, duly signed & stamped.

1. Copy of work order/purchase order/contract agreement/ clearly indicating scope of work/ schedule of rates/ completion certificate/ successful operation certificate/ performance report etc.
2. Audited Annual Report for preceding 3 years.

With regards to financial documents, in case contractor submits bound published and audited annual financial statements including balance sheet, profit & loss accounts and all other schedules for the preceding three financial years, the same shall be considered without certification of Statutory Auditor/Notarization of Notary Public.

However, in case the contractor submits either a photo copy of published statement or a translated copy of the published financial statements, the same shall be certified either by statutory auditor or Notary Public, in original.

In case of foreign contractor, if duly audited Balance Sheet, Annual Report etc., are not in English language, then the English translation copy of the same shall be furnished duly certified, stamped and signed by Local Chamber of Commerce along with the original Balance Sheet, Annual Report etc.

3. Any other relevant document essential for meeting qualification criteria.
4. Logistic Service Provider to submit copy of below certificates also duly certified either by Statutory Auditor or Notary Public, in original.
  - a) IBA (Indian Bank Association) certificate as applicable.
  - b) A Valid CHA (Custom House Agent) license in their own name as applicable.
  - c) A common carrier registration certificate as applicable.

**Note: In case of notarization, Contractor shall also submit an affidavit signed by the authorized signatory of the Contractor.**

**Application for enlistment is to be forwarded to:**

Head: Procurement Development Department  
EI Bhawan – 2<sup>nd</sup> Floor,  
Engineers India Limited,  
1, Bhikaiji Cama Place,  
New Delhi – 110066 (India)

Phone No.+91-11 – 26762461/ 26186735

E-mail : [pdd@eil.co.in](mailto:pdd@eil.co.in)

**SECTION-IV: Terms & Conditions for Enlistment/ Revalidation of Enlistment/ Enhancement of Experience to Construction Contractors/ Logistic Service Providers**

1. Applications shall be accepted online for processing only for the trade category exists within the list of trade categories for enlistment. List of trade categories and experience requirements for enlistment is mentioned in section V(A) & V(B)
2. The contractor must furnish all necessary documents such as copies of work order/purchase order/contract agreement clearly indicating scope of work and value of the contract, completion certificates of similar works executed as meeting the qualification criteria, Annual Report including audited Balance Sheets or Audited Financial Statements, Audited Profit & Loss Account etc. along with the application.
3. All documents furnished by the contractor in support of meeting the enlistment criteria shall be:  
***either***  
Duly certified by Statutory Auditor of the contractor or practicing Chartered Accountants (not being an employee or a Director or not having any interest in the bidder's Company/Firm) where audited accounts are not mandatory as per law.  
***or***  
Duly notarized by any notary public in the contractor's country. In case of notarization, contractor shall also submit an affidavit signed by the authorized signatory of the contractor.
4. Submission of authenticated documents is the prime responsibility of the contractor. Whenever EIL is concerned/ apprehensive regarding authenticity/correctness of any documents, EIL reserves the right to get the documents cross-verified from the document issuing authority.
5. Replies to queries must be specific and not vague. Documents as asked as per questionnaire must be uploaded in one lot. Documents uploaded in part shall not be accepted by the system.
6. Indian contractors seeking enlistment under SSI category (Micro, Small, Medium), must have fresh confirmation from Directorate of Industries, not older than two years at the time of enlistment or valid NSIC registration certificate, confirming the category.
7. Quality Management System must be certified by any independent authorized agency and shall have valid ISO or equivalent certification.
8. Contractors who have negative net worth as per the latest financial year neither been listed nor be revalidated. Audited Annual Report shall be submitted as soon as put in public domain. Contractors already enlisted but having negative net worth in latest financial report will be put on Holiday.
9. Performance of Contractors shall be continuously monitored during order execution. To remain in list of enlisted contractors, performance is required to be satisfactory at all times.
10. Contractor shall be put on Suspension list based on 'PROCEDURE FOR BANNING AND SUSPENSION OF BUSSINESS DEALING' which is available on EIL website (<http://enlist.eil.co.in>)
11. Enlistment shall be accorded for a period of 3 years and validity shall not be changed in case of enhancement or in experience or addition of new category during the validity period. Enlistment shall have to be regularly "revalidated" every 3 years, prior to the expiry of validity period, as per procedure available on EIL website. Revalidation procedure can be initiated before six months of validity date.

12. Information w.r.t. change in office location, change in management shall be furnished to EIL for updating the Data Bank.
13. Enlistment shall be for the purpose of inclusion of contractor's name in EIL "Master Contractors List" and shall in no way guarantee regular issue of tenders.
14. In case of no response/ regrets without specific reasons are received against tender enquiries for 5 jobs in succession. It shall be presumed that contractor is no longer interested for business with EIL and enlistment is liable to be cancelled.
15. Decision of competent authority of EIL shall be final & binding on the contractor.
16. Terms and conditions are subject to change at the sole discretion of EIL.
17. In case of any dispute, the Courts of Delhi shall have exclusive jurisdiction.



**SECTION-V(A) : Requirements of Qualification Experience Criteria for Enlistment in a Particular Trade Category of Construction Contractor**

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
<b>Civil Works</b>			
C01- Route /Topographical Survey	₹ 10 Lakhs	Single Contract Value Criteria	<p>Experience of route survey including hydrographical survey of rivers, lakes etc. for laying of pipelines, canals, railway track, highway etc.</p> <p>Experience of topographical survey of land for the purpose of putting up industrial plant etc.</p>
C02 - Soil Investigation	₹ 10 Lakhs	Single Contract Value Criteria	<p>Experience of Soil Investigation Works including Collection of soil samples and laboratory analysis of the same for industrial plants including list of available equipments/plants/ machineries etc., no. of rigs, type, make and year of manufacture, location of laboratory and list of laboratory equipments.</p> <p>Bio-data of key personnel shall include site supervision, interpretation of data collected at site, laboratory test results, analysis, preparation of comprehensive soil report and recommendation thereof.</p>
C05 - Piling	₹ 100 Lakhs	Single Contract Value Criteria	<p>Experience of any type of piling such as cast-in-situ driven, bored piles and driven steel tubulars and agency will be enlisted for all types of piling work. In case of cast-in-situ driven piles, experience of similar work is also required, which need not be qualifying job. The agency shall furnish list of available equipments/plants/ machineries etc., no. of rigs, type, make and year of manufacture, location of laboratory and list of laboratory equipments separately for bored &amp; driven cast in –situ piles.</p> <p>Bio-data of key personnel shall include site supervision, interpretation of data collected at site, design and drawings, pile load test results etc.</p>
C06 -Driven Segmented Precast Concrete Piling Works	N.A.	Segmented, Minimum Length of Pile 30 M	<p>The agency should have executed/ completed driven segmented precast concrete piles including manufacturing within seven years before the date of application for enlistment.</p> <p>The agency should own minimum three numbers of pile driving rigs.</p> <p>The agency should have used internationally accepted shear connector for splicing of piles.</p>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>Documentation required:</p> <p>a) Agency shall furnish documentary evidence of successful completion of driven segmented precast concrete piling works from the Owner/Client. Completion certificate shall contain volume of work in terms of total length indicating size and length of segments of pile installed.</p> <p>b) Work order of driven segmented precast concrete piling works mentioning the value and the scope of work as documentary evidence.</p> <p>c) The agency to submit copy of ownership document of pile driving rigs.</p>
C22 -Offshore Geotechnical Investigation	₹ 10 Lakhs	Single Contract Value Criteria	Soil Investigation of seabed works.
C25 –Geophysical & Oceanographic Survey	₹ 10 Lakhs	Single Contract Value Criteria	<p>Experience in carrying out geophysical, geological and oceanographical investigations for projects involving Port &amp; Harbours/SPM installation/submarine pipeline route surveys, offshore Oil &amp; Gas Platforms etc.</p> <p>Experience in submarine pipeline inspection surveys with special emphasis on operating ROTV/ROV equipments.</p> <p>Experience in developing GIS database will be an added qualification.</p>
C26 -Onshore Geophysical Survey	₹ 10 Lakhs	Single Contract Value Criteria	Experience of carrying out geophysical (seismic refraction & electrical resistivity, borehole geophysical logging) and Geological Investigations for projects involving construction of underground storages, construction of major industries.
C27 -Dredging & Reclamation Work	₹ 1000 Lakhs	Single Contract Value Criteria	Experience in carrying out Offshore dredging and reclamation operations.
C30 -Site Grading and Road Works	₹ 100 Lakhs	Single Contract Value Criteria	Experience of site grading and road works in plant/industry, infrastructure, dams, canals, highways, tunnels, bridges, flyovers etc.
C31 -Civil, Structural and Underground Piping for Units & Offsites	₹ 100 Lakhs	Single Contract Value Criteria	Experience required for civil and structural works of process based Industrial plants only. Experience of under ground piping system in the plant with gravity flow comprising of steel pipe/ductile iron pipes in unit areas and RCC pipes in offsite areas will be considered as a part of civil and structural works. Rest of

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			corrosion resistant coated/ lined steel pipes in process plants will be considered under Category M05 defined in this document.
C32 -Plant and Non-plant Building Works	₹ 100 Lakhs	Single Contract Value Criteria	Experience in civil and structural works related to plant control room, pump house, airports, hospitals, university, college, hostels, malls, residential townships, railway stations etc
C33 -Pre-Engineered Buildings	N.A.	Technical Criteria	<p>The vendor must have all of the following facilities/ capabilities/ Track record to fulfil the qualification criteria for enlisting:</p> <p>a) Own fabrication facilities in India with latest automated machines/ tools/ tackles etc. as required for fabrication of various steel structural members (primary, secondary, bracings &amp; accessories).</p> <p>b) Own manufacturing facilities in India for profiling of sheeting coils to the pre-coated galvalume/ Zincolume sheeting and related accessories.</p> <p>c) In-house design cell led by qualified structural engineer(s) having 15 years of experience in design of steel structures as per relevant BIS codes using STAAD PRO software.</p> <p>OR should have tie-up with a design agency having the above qualification.</p> <p>d) Vendor must have undertaken the design/ fabrication/ installation of at least one PEB building with minimum 20 meters clear span in last 3 years.</p> <p>Agency should submit Form TC-30 along with the required documents.</p>
<b>Electrical Works</b>			
E02 -Switch Yard	₹ 100 Lakhs	Single Contract Value Criteria	Contractor shall have adequate experience in turnkey execution of EHV switchyards involving complete design, engineering, supply, installation, testing & commissioning. The contractor should possess in-house design set up with adequate experience of having carried out design of EHV switchyard. Alternatively he should have a tie-up with established consultant having adequate past experience of having carried out EHV switchyard design.

<b>Trade Category Code &amp; Description</b>	<b>Minimum Value for Enlistment</b>	<b>Single Contract Value / Technical Attributes</b>	<b>Qualification Experience Criteria</b>
E05 -Electric heat Tracing	₹ 50 Lakhs	Single Contract Value Criteria	Contractor shall have adequate experience in design, engineering, supply, installation, testing & commissioning of electrical heat tracing system in hydrocarbon process plants. In case the contractor is not a manufacturer of electrical heat tracers, he should have a tie up with a tracer manufacturer for carrying out basic system design for the heat tracing system with back-to-back guarantee.
E09 -Electrical Works for Non-Hydro-Carbon Service	₹ 50 Lakhs	Single Contract Value Criteria	Contractor shall have adequate experience in installation, testing & commissioning of electrical equipment in plant/industry, hotels, hospitals, airports, power distribution in cities. Experience in residential townships shall not be considered.
E10 -Electrical Works for Hydro-Carbon Service	₹ 50 Lakhs	Single Contract Value Criteria	Contractor shall have adequate experience in installation, testing & commissioning of electrical equipment in hydrocarbon process plants involving hazardous areas.
<b>Instrumentation Works :</b>			
I01 - Instrumentation Works	₹ 50 Lakhs	Single Contract Value Criteria	Instrumentation works of plants and utilities involving Hydrocarbon service.
<b>Mechanical Works :</b>			
M01- Storage Tanks (Floating Roof/Cone Roof).	₹ 100 Lakhs	Diameter of floating Roof and Weight of Tanks Criteria.	Contractor shall have experience of fabrication and erection of storage tanks. Experience in design of floating roof tanks is required for floating roof tanks. In case agency has not designed floating roof tanks he will have to submit MOU with some reputed back-up consultant alongwith PTR of back-up consultant with respect to design of floating roof tanks. Apart from the above, agency shall have to furnish successful operation certificate of floating roof for a period of one year. This certificate must be issued by the owner. Data will be maintained based on tonnage erected for cone roof/ floating roof tanks in one work order and for design of floating roof tanks based on same or other work orders.
M02 - Spheres	₹ 100 Lakhs	Diameter, Thickness, PWHT Criteria	The agency shall have experience in fabrication, erection and heat treatment of Horton spheres including water spray system. Agency shall also have a full-fledged design & drawing office and shall have to furnish organogram indicating responsibility of various technical persons of design/drawing office.

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
M03 -Fired Heater System (Engineered)	N.A	Technical Attribute (Type of Heater)	<p>A. The agency shall have similar experience of minimum one heater job in the last 10 years involving the following:</p> <ul style="list-style-type: none"> <li>(i) Project management</li> <li>(ii) Procurement and supply of all the heater system components / auxiliaries except ID/FD fan, burner and APH.</li> <li>(iii) Fabrication and erection of subassembly of coils ,</li> <li>(iv) Inspection and Construction supervision</li> <li>(v) Structural fabrication, erection, assembly</li> <li>(vi) Residual structural/mechanical design</li> <li>(vii) Design, engineering , supply and application of refractory</li> </ul> <p>This heater shall have been commissioned within the last seven years and shall have completed successful operation of at least one year.</p> <p>B. The activities listed at Serial No. A.(v) to A.(vii) can be subcontracted, however in that case the qualifying agency must have identified subcontracting agency with capability of providing the similar services through a memorandum of understanding (MOU). The qualification criteria for the subcontracted agency shall be minimum two heater jobs in last 7 years. Copy of MOU shall be submitted.</p> <p>C. Agency shall have own fabrication shop with heater fabrication capabilities or shall have MOUs with two parties having own fabrication shop with Proven Track Record of atleast one heater fabrication in last 7 years.</p> <p>D. Agency shall have documented quality system.</p> <p>E. Agency shall have on his own payroll experience personnel in Inspection and construction supervision activities.</p> <p>F. Contractor to note that for case to case shortlisting for issue of enquiry, following criteria shall be adopted:</p>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>a) The agency shall be considered qualified for 2.5 times the absorbed heat duty of the qualifying heater of same type ( VC/ cabin), however in case the absorbed heat duty of the qualifying heater job is more than 20 MMK Cal/Hr then the agency will be considered capable for all higher absorbed heat duty heaters of same type ( VC / Cabin )”.</p> <p>b) In case the qualifying job is VC heater, then the agency will be considered qualified for all types of heaters but in case the qualifying jobs is cabin heater, then the agency will only be considered qualified for cabin heaters.</p>
M05 -Piping/Equipment & Machinery Erection	₹ 100 Lakhs	Single Contract Value Criteria	Experience of erection of piping, installation of equipments, machinery etc. in process plant industry covering aboveground and underground piping. Experience of piping work will be CS coated/ SS pipes for process plants. RCC piping and steel pipe/ ductile iron pipe will not be considered for this category.
M06 - Stainless Steel Silos	₹ 50 Lakhs	Single Contract Value Criteria	Contractor shall have experience of design, fabrication, erection of silos with material of construction for all parts as stainless steel only. Agency shall also have a full-fledged design & drawing office and shall have to furnish organogram indicating responsibility of various technical persons of design/drawing office.
M07- Refractory Works	₹ 50 Lakhs	Single Contract Value Criteria	Refractory works in any industry with details of equipment lined, type of lining, quantity of refractory materials, year of execution etc. Further list of tool & tackles required for lining of refractory should be given in list of construction equipment.
M08 - Insulation	₹ 50 Lakhs	Single Contract Value Criteria	Insulation works of Thermal Insulation in Plants. Experience of cryogenic/ acoustic insulation or experience of Annual Rate Contract (ARC) jobs shall not be considered.
M09 - Painting	₹ 50 Lakhs	Single Contract Value Criteria	Painting work experience of industrial plants only. Experience of ARC jobs will not be considered.
M11 -Cross Country Pipeline	N.A.	Minimum Diameter 8” and Length of Pipeline 50 KM	Experience of laying of cross country pipeline with hydrocarbon service and lines shall be underground and buried. Experience of water pipelines, ATF lines in cities, group gathering stations and loading/ unloading lines in jetty

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			areas will not be considered. Minimum diameter shall be 8" and cumulative length of all sizes above 8" shall be 50 KM.
M14 -Equipment Erection/ Heavy Lift.	₹ 100 Lakhs	Minimum 300 Mt weight of Single Lift	Experience with weight of single lift minimum 300 MT by cranes. Experience of lift with ginpole/derrick will not be considered.
M17 -Pipeline Crossings by Horizontal Directional Drilling (HDD)	N.A.	Minimum Diameter 8" and Length 100 Meter of Service Pipeline	Experience of laying of cross country pipeline using HDD method.
M19 -Mounded Storage	N.A	Minimum wall thickness of 25 mm and weight of Bullets 250 MT	The agency shall have experience of executing Mounded Storage system as a package on single point responsibility basis with minimum empty weight of bullets 250 MT and 25 mm wall thickness. Agency shall also have a full-fledged design & drawing office and shall have to furnish organogram indicating responsibility of various technical persons of design/drawing office. The work shall be in successful operation for minimum one year.
M20 -City Gas Pipeline	₹ 100 Lakhs	Diameter & length criteria	Experience of Buried Carbon Steel/ Non Carbon Steel, City Gas Pipelines only will be considered.
M21 -Fired Heater System (Un-engineered)	N.A	Technical Attribute (Type of Heater)	<p>A. The agency shall have experience of minimum one heater job involving the following:</p> <ul style="list-style-type: none"> <li>(i) Project Management</li> <li>(ii) Thermal , mechanical and structural design</li> <li>(iii) Procurement and supply of all heater system components including burners, APH , fans,</li> <li>(iv) Fabrication, assembly and erection of pressure parts</li> <li>(v) Fabrication, assembly, and erection of steel work.</li> <li>(vi) Design, engineering, supply and application of refractory.</li> <li>(vii) Quality assurance at shop and site</li> <li>(viii) Construction Supervision</li> <li>(ix) Performance guarantee</li> </ul>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>This heater shall have been commissioned within the last seven years and shall have completed successful operation of at least one year.</p> <p>B. As a minimum the following must have been performed in house in the qualifying job:</p> <ul style="list-style-type: none"> <li>(i) Project management</li> <li>(ii) Thermal, mechanical and structural design of heater.</li> <li>(iii) Sub vendor selection and Procurement</li> </ul> <p>C. The agency should have a documented QA system.</p> <p>D. Agencies who do not have their own manufacturing facilities in India, however having all the capabilities as above, should have a valid MOU with EIL approved heater fabricator. Copy of MOU shall be submitted</p> <p>E. Vendor to note that for case to case short listing for issue of enquiry, following criteria shall be adopted:</p> <ul style="list-style-type: none"> <li>(i) The agency shall be considered qualified for 2.5 times the absorbed heat duty of the qualifying heater of same type ( VC / cabin ) , however in case the absorbed heat duty of the qualifying heater job is more than 20 MMK Cal/Hr then the agency will be considered capable for all higher absorbed heat duty heaters of same type ( VC / Cabin )".</li> <li>(ii) In case the qualifying job is VC heater, then the agency will be considered qualified for all types of heaters but in case the qualifying job is cabin heater , then the agency will only be considered qualified for cabin heaters.</li> </ul>
M22 - Fired Heater System (Fabrication, Supply and Erection)	N.A	Technical Attribute {Type of Heater, Supply (in Modular form)/ Supply (in Modular form) and site assembly/ Site fabrication & erection}	<p>A. The agency should have similar experience of minimum two numbers of Vertical Cylindrical tube (VC) heater or Cabin heater jobs in last 7 years involving the following:</p> <ul style="list-style-type: none"> <li>(i) Fabrication ,shop assembly, supply , erection of VC / Cabin heaters with or without modularization with following attributes to be mentioned in the certificate :</li> </ul>



Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>a) Supply only (in modular form).</p> <p>b) Supply in modular form and site assembly.</p> <p>c) Site fabrication and erection.</p> <p><b>With Modularization :</b> As a minimum, agency should have carried out fabrication of radiant section in panels, radiant coils in banjos , convection section in modules with coils in position. Also agency shall have own shop capable of heater fabrication activities</p> <p><b>Without Modularization:</b> As a minimum agency should have carried out Fabrication and erection of radiant and convection section.</p> <p>(ii) Residual engineering / detailing on account of modularization and design capability to ensure safe lifting, transit and subsequent erection of modules at site (as applicable depending on the qualification attribute) and fabrication drawing preparation.</p> <p>(iii) The executed job on modularization basis should have been carried out at its own /group company shop.( as applicable)</p> <p>(iv) Execution Planning Capability for fabrication &amp; erection activity.</p> <p>(v) Inspection and Quality management for fabrication and erection activity.</p> <p>(vi) Design, engineering, supply and application of refractory.</p> <p>B. The executed work(s) should have been mechanically completed and must have seen minimum one year of operation.</p> <p>C. The activities listed at Serial No : A.(ii) and A.(vi) can also be subcontracted, however in that case the qualifying agency must have identified subcontracted agency with capability of providing the similar services through a memorandum of understanding (MOU). The qualification criteria for the subcontracted agency shall also be</p>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>minimum two heater jobs in last 7 years. Copy of MOU shall be submitted</p> <p>D. Vendor to note that for case to case short listing for issue of enquiry, following criteria shall be adopted:</p> <p>(i) The agency shall be considered qualified for 2.5 times the absorbed heat duty of the qualifying heaters of same type (VC/ cabin), however in case the absorbed heat duty of the qualifying heater job is more than 20 MMK Cal/Hr then the agency will be considered capable for all higher absorbed heat duty heaters of same type ( VC / Cabin )".</p> <p>(ii) In case one of the qualifying job is VC heater, then the agency will be considered qualified for all types of heaters but in case both the qualifying jobs are cabin heater, then the agency will only be considered qualified for cabin heaters.</p>
<b>Package Plant ;</b>			
P01 - Raw Water Treatment Plant	N.A	Minimum capacity of one chain 120 M <sup>3</sup> /Hr.	Raw Water Treatment Plant work with scope of work including design, detail engg., supply, construction, testing, commissioning and guarantee runs etc. in one work order. Exposure in Hydrocarbon Industry is required. The plant shall be under successful operation for minimum one year.
P02 - Cooling Towers	N.A	Minimum capacity of one cell 600 M <sup>3</sup> /Hr.	Experience in supply and installation of cross flows/counter flow cooling towers of RCC/Timber construction and Fresh/Sea Water Service and of proven thermal design or client approved collaborator will be applicable. Similar work with scope of work including design, detail engg. supply, construction, testing, commissioning and guarantee runs in one work order. The plant shall be under successful operation for minimum one year.
P03 - Waste Water/ Effluent Treatment Plant	N.A	Minimum capacity 50 M <sup>3</sup> /Hr.	<p>Experience of contractor shall be considered in case of Effluent plant as follows:</p> <ul style="list-style-type: none"> <li>- Contractor must have designed, supplied and constructed effluent treatment plant of refinery/ petrochemical/ gas processing plants etc. similar work with scope of work including design, detail engg., supply, construction, testing, commissioning and guarantee runs in one work order. The plant shall be under successful operation for minimum one year.</li> </ul>

<b>Trade Category Code &amp; Description</b>	<b>Minimum Value for Enlistment</b>	<b>Single Contract Value / Technical Attributes</b>	<b>Qualification Experience Criteria</b>
P04 - D.M. Water Treatment Plant/ CPU	N.A	Minimum capacity of one chain 80 M <sup>3</sup> /Hr.	Experience of contractor shall be considered as below: Contractor must have designed and supplied/ constructed DM plant or CPU for large industry with scope of work including design, detail engg., supply, construction, testing, commissioning and guarantee runs in one work order. The plant shall be under successful operation for minimum one year.
P10 - Cathodic Protection System for Pipe Lines	N.A	Minimum 2 Nos. of CP Stations	Experience of temporary and permanent cathodic protection system by using anodes and impressed current systems respectively with scope of work including design, detail engg., supply, construction, testing and commissioning etc.
P12 - Composite Works (Civil, mech., Elect. & Inst. works)	₹ 200 Lakhs	Single Contract Value Criteria	Experience of composite work covering civil, mechanical, electrical and instrumentation type jobs in one work order and with value of Mechanical works more than 80%.
P17 - Desalination Plants (RO)	N.A	Minimum capacity of one train 50 M <sup>3</sup> /Hr.	Experience with scope of work as design, detail engg., supply, construction, testing and commissioning of desalination plant in same work order. This will cover feed of brackish water, sea water. Further, it will also cover outlet of STP/ETP/ WWTP for zero discharge system.
P18 - Cathodic Protection System for Plant	₹ 50 Lakhs	Single Contract Value Criteria	Experience of CP system for plants with scope of work as design, engg., Supply, Construction, Testing and Commissioning etc.
P22 - Offshore Platforms	₹ 1000 Lakhs	Single Contract Value Criteria	Experience of installation of offshore platforms.
P23 - Sea Water Intake System	₹ 100 Lakhs	Single Contract Value Criteria	Experience of sea water intake system from design to construction with single point responsibility.
P24 - River Water Intake System	₹ 100 Lakhs	Single Contract Value Criteria	Experience of river water intake (well) system from design to construction with single point responsibility.
P25 - Ranney Well System	₹ 50 Lakhs	Single Contract Value Criteria	Experience of ranney well system from design to construction with single point responsibility.

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
<b>Environmental Studies :</b>			
W02- Baseline Data Collection/ Monitoring		Accredited from NABL for environmental monitoring works or recognized laboratory of MOEF or GLP certified laboratory for environmental monitoring works	At least 1 completed contract in the past 7 years of environmental baseline data collection works for any EIA project/Environmental monitoring project. Such works should be carried out for ambient air/water/soil/ noise/ traffic monitoring.
W03- Flora & Fauna Impact Assessment Studies		Should possess qualification experience criteria	At least 1 completed contract in the past 7 years of flora/fauna baseline data collection for any EIA project/regional planning projects
W04- Land use/Land Cover Pattern Studies		Should possess qualification experience criteria	At least 1 completed contract in the past of Land use/Land Cover Pattern study for any EIA project/regional planning projects
W05- Marine Impact Assessment Studies		Should possess qualification experience criteria	At least 1 completed contract in the past of Marine baseline survey and impact assessment studies using marine dispersion modeling study for any EIA project/regional planning projects.  The model/software used shall be one of the model/ software recommended by CPCB/ MOEFCC in its guidelines.
W06- Socio Economic Impact Assessment Studies		Should possess qualification experience criteria	At least 1 completed contract in the past of demographic baseline survey/perception collection through survey and impact assessment studies for any EIA project/regional planning projects.
W09- Occupational Health		Should possess qualification experience criteria	At least 1 completed contract in the past of health baseline survey including risk assessment.
W10- Oil Spill Management Studies		Should possess qualification experience criteria	At least 1 completed contract in the past of Oil spill and impact assessment studies and developed oil spill management plan.
W11- Nuclear Environmental Impact Assessment / Management and Related Studies		Should possess qualification experience criteria	At least 1 completed contract in the past in any of the following fields a. Radiation Risk – Human Health b. Ration Risk – Biodiversity c. Radioactive waste management d. Nuclear catastrophic risk management e. Radiation related monitoring & Analysis f. Dispersion modeling for discharges into air, soil, surface water and ground water.

**SECTION-V(B): Requirements of Qualification Experience Criteria for Enlistment in a Particular Trade Category of Logistic Service Provider**

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
<b>Logistic Service :</b>			
S01 - C&F Services	Technical Criteria		<p>a) <u>Minimum parameters for an agent seeking enlistment for C&amp;F Services :</u> The agent should have :</p> <ol style="list-style-type: none"> <li>1. A valid CHA (Custom House Agent) license in their own name.</li> <li>2. Own / tie-up arrangements with an IBA (Indian Bank Association) approved transporter for movement of import cargo from Port to site(s).</li> <li>3. A storage Area of about 1000 Sq. Meter nearby one of the port in India</li> <li>4. In last seven years, completed at least one Contract of/ executed work of C&amp;F services (including transportation) under EPCG / Project import / other schemes for concessional rate of Custom Duty of the value not less than Rs. 50 Lacs for any PSU or Govt. Department / Rs. 100 Lacs for other corporate, in a single contract.</li> <li>5. Their offices in at least two cities out of the five port cities i.e. Delhi, Mumbai, Kolkata, Chennai and Vizag.</li> </ol>
S02 - ODC upto 150 MTs	Technical Criteria		<p>The Transporter should meet all the following requirements:</p> <ol style="list-style-type: none"> <li>1. Should be an IBA (Indian Banks Association) approved transporter.</li> <li>2. Should have at least 24 (Twenty Four) Hydraulic Axles registered in their own name.</li> <li>3. Should have at least 4 (Four) Prime movers registered in their own name.</li> <li>4. Should have successfully handled &amp; transported a package / equipment weighing not less than 90 MT over a distance of 500 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by road, during last seven years.</li> <li>5. Should have successfully handled &amp; transported a package / equipment having diameter not less than 5.0 meter over a distance of 500 KM (minimum) from any site in India on door to door basis, by road, during last seven years.</li> </ol>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			<p>6. Should have their office in at least two principal cities of India . Principal Cities to be read as : Ahmedabad, Bangalore, Bhopal, Chennai, Coimbatore, Delhi, Hyderabad, Indore, Jaipur,Kanpur, Kochi, Kolkata, Lucknow, Ludhiana, Madurai, Mumbai, Nagpur, Patna, Pune, Surat, Vadodara, Varanasi &amp; Visakhapatnam.</p> <p>7. Should have surveyed ODC Routes for a distance more than 500 KMs. in various directions spread across the Country. The report for at least two routes shall be provided along with the application.</p>
S03 - ODC above 150 MTs upto 400 MTs	Technical Criteria		<p>The Transporter should meet all the following requirements:</p> <ol style="list-style-type: none"> <li>1. Should be an IBA (Indian Banks Association) approved transporter.</li> <li>2. Should have at least 48 (Forty Eight) Hydraulic Axles registered in their own name.</li> <li>3. Should have at least 6 (Six) Prime movers registered in their own name.</li> <li>4. Should have successfully handled &amp; transported a package / equipment weighing not less than 240 MT over a distance of 500 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by Road, during last seven years.</li> <li>5. Should have successfully handled &amp; transported a package / equipment having diameter not less than 5.0 meter over a distance of 500 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by road, during last seven years.</li> <li>6. Should have their office in at least two principal cities of India and one port city (different than principal city) of India. Principal Cities to be read as : Ahmedabad, Bangalore, Bhopal, Chennai, Coimbatore, Delhi, Hyderabad, Indore, Jaipur,Kanpur, Kochi, Kolkata, Lucknow, Ludhiana, Madurai, Mumbai, Nagpur, Patna, Pune, Surat, Vadodara, Varanasi &amp; Visakhapatnam Port Cities to be read as Kandla, Mumbai, Mormugao, Visakhapatnam, Kochi, Chennai, Managlore, Ennore, Tuticorin, Paradip and Kolkata</li> <li>7. Should have surveyed ODC Routes for a package/equipment weighing not less than 240 MT and package/equipment having diameter not less than 5.0 meter for a distance more than 500 KMs. in various directions spread across the Country.  The report for at least two routes shall be provided along with the application.</li> </ol>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
S04 - ODC above 400 MTs		Technical Criteria	<p>The Transporter should meet all the following requirements:</p> <ol style="list-style-type: none"> <li>1. Should be an IBA (Indian Banks Association) approved transporter.</li> <li>2. Should have at least 60 (Sixty) Hydraulic Axles registered in their own name out of which 24 axles should be SPMT.</li> <li>3. Should have at least 6 (Six) Prime movers and 2 (two) hydraulic power packs for SPMT registered in their own name.</li> <li>4. Should have successfully handled &amp; transported a package / equipment weighing not less than 360 MT over a distance of 300 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by Road, during last seven years.</li> <li>5. Should have successfully handled &amp; transported a package / equipment having diameter not less than 5.0 meter over a distance of 300 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by road, during last seven years.</li> <li>6. Should have their office in at least two principal cities of India and one port city (different than principal city) of India.  Principal Cities to be read as :  Ahmedabad, Bangalore, Bhopal, Chennai, Coimbatore, Delhi, Hyderabad, Indore, Jaipur, Kanpur, Kochi, Kolkata, Lucknow, Ludhiana, Madurai, Mumbai, Nagpur, Patna, Pune, Surat, Vadodara, Varanasi &amp; Visakhapatnam.  Port Cities to be read as  Kandla, Mumbai, Mormugao, Visakhapatnam, Kochi, Chennai, Managlore, Ennore, Tuticorin, Paradip and Kolkata</li> <li>7. Should have surveyed ODC Routes for a package/equipment weighing not less than 360 MT and package/equipment having diameter not less than 5.0 meter for a distance more than 300 KMs. in various directions spread across the Country. The report for at least two routes shall be provided along with the application.</li> </ol>
S05 - Material Handling Services		Technical Criteria	<p><u>Minimum parameters for an agency seeking enlistment with EIL for Material Handling Services at site :</u></p> <ol style="list-style-type: none"> <li>1. Should have at least four nos. (2 to 6 MT Capacity) Fork – Lifts, registered in their own name.</li> <li>2. Should have at least two nos. 10 MT Capacity revolving Cranes/ 12 MT Capacity Hydra Cranes, registered in their own name.</li> </ol>

Trade Category Code & Description	Minimum Value for Enlistment	Single Contract Value / Technical Attributes	Qualification Experience Criteria
			3. Should have at least two Prime Movers with capacity of 20/ 22 MT, registered in their own name. 4. In last <b>seven</b> years, should have completed at least one contract of / executed work of the value not less than Rs.50 Lacs in a single contract of Material Handling Services for any PSU or Govt. Department/ Rs.100 Lacs for other corporate, in Hydrocarbon/ Fertilizer/ Power Sector.
S06 - Multimodal Movement of Over-Dimensioned/ Over-weight Package		Technical Criteria	The Transporter should meet all the following requirements: 1. Should be an IBA (Indian Banks Association) approved transporter. 2. Should have at least one Barge or SPMTs with 24 (Twenty Four) Axles and 02 (Two) Power Packs, registered in their own name 3. Should have at least 60 (Sixty) Hydraulic Axles registered in their own name. 4. Should have at least 6 (Six) Prime movers registered in their own name. 5. Should have successfully handled & transported a package / equipment (a) Weighing not less than 250 MT over a distance of 300 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by Road, during last seven years (b) Having diameter not less than 5.0 meter over a distance of 300 KM (minimum) from any site in India on door to door basis, by Hydraulic trailers by road, during last seven years. (c) Having weight not less than 250 MT by multimodal arrangements (Waterway plus Road) within India on door delivery basis, during last seven years. 6. Should have their office in at least two principal cities of India and one port city (different than principal city) of India.  Principal Cities to be read as : Ahmedabad, Bangalore, Bhopal, Chennai, Coimbatore, Delhi, Hyderabad, Indore, Jaipur, Kanpur, Kochi, Kolkata, Lucknow, Ludhiana, Madurai, Mumbai, Nagpur, Patna, Pune, Surat, Vadodara, Varanasi & Visakhapatnam  Port Cities to be read as Kandla, Mumbai, Mormugao, Visakhapatnam, Kochi, Chennai, Managlore, Ennore, Tuticorin, Paradip and Kolkata.



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			7. Should have surveyed ODC Routes for a package/equipment weighing not less than 250 MT and package/equipment having diameter not less than 5.0 meter for a distance more than 300 KMs. in various directions spread across the Country. The report for at least two routes shall be provided along with the application.																																					
S07 - Structural Steel and TMT Bars online		Technical Criteria	<table border="1"> <tr> <td data-bbox="1176 443 1256 485">1.</td> <td colspan="2" data-bbox="1263 443 2123 485">Supplier shall have valid BIS license as per IS 1786 and IS 2062.</td> </tr> <tr> <td data-bbox="1176 489 1256 531">2.</td> <td colspan="2" data-bbox="1263 489 2123 531">Suppliers shall have valid ISO certificate.</td> </tr> <tr> <td data-bbox="1176 536 1256 577">3.</td> <td colspan="2" data-bbox="1263 536 2123 577">Turnover of supplier shall be Rs. 1,000 Crores in last financial year.</td> </tr> <tr> <td data-bbox="1176 582 1256 651">4.</td> <td colspan="2" data-bbox="1263 582 2123 651">Supplier shall have minimum 5 years' experience to supply TMT Bars and structural steel and submit Supply Orders as per below :</td> </tr> <tr> <td data-bbox="1176 655 1256 724"></td> <td data-bbox="1263 655 1547 724">a)</td> <td data-bbox="1554 655 2123 724">Supply Orders to all Central Government, Under takings, Refinery and Oil &amp; Gases Projects</td> </tr> <tr> <td data-bbox="1176 729 1256 770"></td> <td data-bbox="1263 729 1547 770">b)</td> <td data-bbox="1554 729 2123 770">Supply Orders in Infrastructural &amp; Road-Bridge Projects</td> </tr> <tr> <td data-bbox="1176 775 1256 817">5.</td> <td colspan="2" data-bbox="1263 775 2123 817">Supplier shall submit Test Results from Govt. / NABL accredited laboratories</td> </tr> <tr> <td data-bbox="1176 821 1256 976">6.</td> <td data-bbox="1263 821 1547 976">Supplier shall be having Product Range</td> <td data-bbox="1554 821 2123 976">TMT Re-bars FE 415 / 415D / 500 / 500D / 550 / 550D / 600 CRS (Corrosion Resistant) &amp; EQR (Earthquake Resistant) TMT Re-bars Size: 8 to 36 mm dia</td> </tr> <tr> <td data-bbox="1176 981 1256 1054">7.</td> <td colspan="2" data-bbox="1263 981 2123 1054">Supplier shall have experienced man power with adequate knowledge of specifications.</td> </tr> <tr> <td data-bbox="1176 1059 1256 1101">8.</td> <td colspan="2" data-bbox="1263 1059 2123 1101">Supplier shall have HSE policy.</td> </tr> <tr> <td data-bbox="1176 1106 1256 1179">9.</td> <td colspan="2" data-bbox="1263 1106 2123 1179">Technology of manufacturing of TMT Bars shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo or Turbo Quench.</td> </tr> <tr> <td data-bbox="1176 1184 1256 1233">10.</td> <td colspan="2" data-bbox="1263 1184 2123 1233">Proper lab infrastructure with fully computerized UTM machine for physical test and spectroscope for complete chemical test.</td> </tr> </table>		1.	Supplier shall have valid BIS license as per IS 1786 and IS 2062.		2.	Suppliers shall have valid ISO certificate.		3.	Turnover of supplier shall be Rs. 1,000 Crores in last financial year.		4.	Supplier shall have minimum 5 years' experience to supply TMT Bars and structural steel and submit Supply Orders as per below :			a)	Supply Orders to all Central Government, Under takings, Refinery and Oil & Gases Projects		b)	Supply Orders in Infrastructural & Road-Bridge Projects	5.	Supplier shall submit Test Results from Govt. / NABL accredited laboratories		6.	Supplier shall be having Product Range	TMT Re-bars FE 415 / 415D / 500 / 500D / 550 / 550D / 600 CRS (Corrosion Resistant) & EQR (Earthquake Resistant) TMT Re-bars Size: 8 to 36 mm dia	7.	Supplier shall have experienced man power with adequate knowledge of specifications.		8.	Supplier shall have HSE policy.		9.	Technology of manufacturing of TMT Bars shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo or Turbo Quench.		10.	Proper lab infrastructure with fully computerized UTM machine for physical test and spectroscope for complete chemical test.	
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