

**ODISHA POWER GENERATION CORPORATION LIMITED  
IB THERMAL POWER STATION  
AT/ PO- BANAHARPALI, JHARSUGUDA  
ODISHA  
PIN-768234**



OPGC Invites  
“Expression of interest (EOI)”  
for  
“Painting of Mechanical Structures at OPGC, 2X210MW & 2X660MW Units  
(BTG, AHP, CHP & BOP).”

## **Odisha Power Generation Corporation Ltd**

(A Government company of the States of Odisha)

**NIT No. ITPS/CC-22/2025-26/07, Date: 20.06.2025**

S/N	Name of the work/Description	Date of receipt & submission /Opening of EOI
2	<b>Expression of Interest (EOI):</b> Painting of Mechanical Structures at OPGC, 2X210MW & 2X660MW Units (BTG, AHP, CHP & BOP).	Up to 15:00 Hrs on 19.07.25/15:30 Hrs onwards on 19.07.25

### **Expression of interest (EOI)**

*Expression of interest (EOI) for “Painting of Mechanical Structures at OPGC, 2X210MW & 2X660MW Units (BTG, AHP, CHP & BOP).”*

#### **1. Brief Introduction:**

**Odisha Power Generation Corporation Ltd. (OPGC)** is a Government Company of the State of Odisha. It operates state of the art thermal power plants at Banharpalli, Jharsuguda. It has a total generation capacity of 1740 MW (2x210 MW in first phase and 2x660MW in second phase).

#### **2. Expression of Interest:**

OPGC invites “Expression of Interest (EOI)” from interested parties for “Painting of Mechanical Structures at OPGC, 2X210MW & 2X660MW Units (BTG, AHP, CHP & BOP). Interested parties may clearly indicate the inputs required from OPGC.

OPGC is looking for interested parties having experience as follows.

1. The Bidder must have experience in executing similar jobs. Relevant minimum three PO Order copies executed within last 05 years for the similar type of jobs should be submitted in support to the same.
2. Must have successfully completed similar nature of jobs during last Five years ending the last day of the month previous to the one in which EOI are invited.
3. Must be financially sound to carry out the job, Audited balance sheet along with Profit and Loss statement should be submitted in support to the same.
4. Safety Requirement- Bidder Loss Time Hours must have been less than 200 Hrs in last 3 years. (Contractor's Self Certification)

5. Must not have been disqualified/blacklisted on performance ground for similar nature of work in any Govt./Public Sector Utility/PPPs/CPPs (Contractor's Self Certification) during the last five years for similar nature of Job

"\* Similar Work" definition – Experience in High-rise Boiler & CHP Structural Painting of operational Units / Plant.

Bidder has to submit relevant Work Orders and subsequent completion certificates in support the above-mentioned qualifying criteria.

Documents to be submitted in support of QR

- 1) Relevant PO copy and Client's completion certificate
- 2) PF & GST registration certificate.
- 3) HSE Policy and past safety record-Fatal and LTIFR for previous three years.
- 4) Any other documents in addition to the above which the applicant wants to submit.

Note:

- Owner reserves the right to obtain necessary documents and also to assess the qualification of the Bidder, subsequent to submission of bid, as deemed necessary by Owner to establish bidder's qualification.
- Sufficient documentary proof in support of the above must be submitted along with the Techno-Commercial Bid. Photocopies of supporting documents must be submitted along with Techno-Commercial Bid.
- Tenders submitted without the above techno-commercial requirements shall be liable for rejection. The bidders who are found qualified in the above will be invited for the opening of the price bids.
- Owner reserves the right to obtain necessary documents and to assess the qualification of the Bidder, subsequent to submission of bid, as deemed necessary by Owner to establish bidder's qualification.

Note: The Bidder must submit Copy of Work Orders/Letter of Award or Intent from the Client, Self-Attested copy of satisfactory completion certificates from the Client as the supporting documents for credentials.

### **3. Terms & Conditions:**

- a) Contractor shall be responsible for work related to structure painting as mentioned in BOQ and to be executed as directed by engineer in charge. All manpower, tools & tackles, paint, primer, thinner, consumables etc. required for the execution of the jobs are to be arranged by the contractor and is a part of the contract.

- b) Contractor may also be required to carry out works on Sundays and holidays to complete the job within the given timeframe. This will be at discretion of OPGC.
- c) The work has to be carried out in a operating location. The contractor has to obtain all necessary work permits for executing the jobs. He is required to strictly follow all the prevailing safety & statutory regulations that are being followed at the location.
- d) The contractor and his employees shall co-operate with all other agencies working at site.
- e) All damaged and replaced materials or scrap generated during execution of work shall be shifted to OPGC Scrap yard as directed by Engineer-In-Charge.
- f) Manpower:
  - The contractor shall deploy adequate manpower of required skill level to complete the job within the targeted completion period.
  - The contractor shall deploy one Site-in-charge/Supervisor who shall be responsible for overseeing the job execution of the works under the scope.
  - The contractor shall deploy one Safety Officer who shall be responsible for overseeing the safety requirements of the works under the scope.
  - Only experienced, qualified and medically fit persons shall be deployed for specified jobs including working at height/ confined spaces.
  - The name of the working personnel deployed by the contractor like site in charge, supervisors, scaffolders, Riggers, Helpers, Painters etc with full detail (area of work, experience, specialization etc) has to be submitted to EIC before start of the work.
  - EIC shall be the final authority in deciding the competency of the deployed persons. OPGC reserves the right to instruct the agency for replacement of manpower if not found suitable for the work at any point of time during the contract period.
  - The contractor may have to deploy the manpower round the clock to complete the job on time. But working hour for any gang shall not be more than 12 hours.
  - The Contractor shall appoint its site-in charge within Seven (07) days of LOI/Work Order date. Also, full-fledged mobilization shall be done within Fifteen (15) days of LOI/Work Order date.
  - Site in charge/Supervisor should be technically qualified person and should have minimum 3 years of experience in similar jobs.

- Painter should be qualified person with minimum painting work experience of 3 years. scaffolders, Riggers & helper should have experience of minimum 2 year in similar/Relevant jobs.
  - If any person not found suitable for the work and /or under stood to be unwanted in the opinion of OPGCL's Engineer, must be removed from the work immediately and shall not be engaged for the work in future.
- g) The contractor or his authorized representative shall report to EIC on daily basis for progress report.
- h) Transportation of manpower, material, scrap etc. shall be in vendor scope.
- i) The contractor and his worker should maintain the cleanliness of the equipment and their surroundings and no material, waste items etc. can be left at site.
- j) A weekly level meeting will be held with EIC for reviewing progress for the last week and scheduling programme for the next week.
- k) OPGC will provide electricity, water, etc. free of cost at single point to facilitate the job.
- l) Necessary entry gate pass for plant Premises will be required for the contractor employees as per rules pertaining at the time of contract. Contractor shall sufficiently in advance, complete the necessary formalities required to get the gate pass.
- m) Safety, Health and Environment:
- Agency's service personnel shall abide by Safety, Health & Environment (SHE) Rules & Regulations for Contractors as per OPGC Safety policies and obtain safety induction training from OPGC Safety Officer before starting the work. Any violation in the safety rules shall be viewed seriously and agency shall be penalized as per OPGC Safety Rules.
  - Agency shall ensure the medical fitness of their service personnel before the start of work.
  - Agency shall submit Safety Plan of the work to the Engineer-in-charge before start of the work.
  - While driving two wheelers inside the plant boundary Crash Helmet to be used positively. Violation of this rule will attract penalty.
- n) Engineer-In-Charge (EIC):
- AGM- Mechanical (OPGC-II), ITPS or his authorized representative shall be the Engineer-in-charge.
- o) Contract Period:
- The contract shall be for a period of 12 (Twelve) months from the date of LOI/PO.

p) Measurement of work:

The work shall be inspected / measured as directed by Engineer-in-charge and entered in the measurement book with signatures of both contractor and Engineer-in-charge or their representatives as a token of mutual acceptance.

q) Permit to Work:

Before the start of each work, you shall ensure that a valid and duly signed Permit to Work has been issued. Also, you shall ensure the issue of valid and duly signed Work at Height permit and Hot Work Permit if the same is required as per OPGC rule. All the permits shall be returned to the concerned Engineer after completion of the job.

r) PENALTY:

- In case of non-performance / continuous poor performance, the contract shall be terminated with immediate notice and the work shall be done by any other means at the contractor's cost and risk till engagement of other agency. If the price of contract for the balance work shall be higher, the additional amount shall be recovered from the security or any dues of this contract or any other contract taken by the contractor in OPGC. This will debar the contractor to participate in any future bid in OPGC for next 5 years.
- In case of labour strikes, you shall arrange fresh workmen and perform the contract without any discontinuation. If there is discontinuation of work for consecutive 6 days, the "Termination of Contract" clause shall apply. This will debar the vendor to participate in any future bid in OPGC for next 05(five) years.
- In case of any OPGC material is loss or damaged during execution of work due to your negligence or wrong workmanship, the cost of the same as per prevailing market rate plus departmental expenses shall be recovered from your bills.

s) Termination of contract:

- In case of failure to start the work within due date, OPGC reserves the right to terminate the contract without reference to you and EMD shall be forfeited.
- If the quality of the work is found to be unsatisfactory, the contract shall be terminated with immediate notice and the security deposit shall be forfeited.

t) Liquidated damages:

In case of delay in completion of work beyond the stipulated period of contract, LD @1% of the contract value for each week of delay or part thereof subject to a maximum 10% of the total contract value shall be imposed. In case the contract is completed, the LD shall be levied on the total executed value instead of total contract value.

u) Offloading of job:

In case it is observed during the tenure of the contract that you are not capable or in a position to complete the job, OPGC reserves the right to offload the same and get it done through other agencies at your cost and risk.

v) Subletting:

The work shall not in any manner or degree be sublet. The work shall be executed under the direct supervision of the supervisors of your firm.

w) Familiarization:

- Bidder shall visit the site and make himself familiar with the equipment/system, amount of work involved, etc. under the scope of subject contract. If the contractor needs any technical details or additional information regarding equipment or work procedure in relation to the proposed work, he should do so before submitting the bid to OPGC.
- It is imperative on each bidder to fully acquaint himself of all local conditions & factors, which may have effect on the execution of the work covered under the specifications. OPGC shall not entertain any request for clarifications from the bidder regarding such local conditions post-bid.
- OPGC shall entertain no claim, whatsoever, nor any change in the time schedule of the contract thereof which arise on account of clear information or its effect on the cost of works to the bidder.

x) Tools, Tackles & Instruments:

You should have adequate Tools, Tackles & Instruments for execution of the job and such Tools, Tackles & Instruments are to be made available during the entire tenure of contract and shall be submitted to the satisfaction of Engineer-in-charge. All Lifting Tools and Tackles brought by you shall have valid test certificate issued by the competent person.

y) Defect liability / Guarantee:

The job done by you shall be guaranteed for the period of 06 (Six) months from the date of completion of the job duly certified by the EIC. You shall rectify the defect free of cost without any financial burden to OPGC.

z) Payment of bill:

Payment after statutory deductions and other deductions like applicable taxes, duties, levies, Penalty (if any), Security Deposit, LD (if any) etc. shall be released after

completion of measured work & submission of bill duly certified by the Engineer-in-charge. The payment shall be made through e-mode facilities of RTGS / NEFT / Internet Banking. To facilitate the E-payment you shall return the enclosed Bank Mandate Form duly filled, along with the duplicate copy of the Work Order.

aa) Works Programme/Quality Assurance Plan/Safety Plan:

Before starting the work, you shall submit detailed works programme, milestone of different activities, safety and quality assurance plan of the work to the Engineer-in-charge for his approval after which work shall be started as per the approved programme. Any other documents required by the Engineer-in-charge for the above work shall be submitted.

**4. Scope of Work**

1. Scope includes furnishing of all labor, materials, tools & equipment and the performance of all operations and incidentals necessary for surface preparation, painting, handling, storing, transporting, scaffolding that also includes hanging platform / cradle etc.
2. Cleaning & Painting work of Structural Steels in different areas of 2X210MW & 2X660MW Units (BTG, AHP, CHP & BOP) to be executed at various height ranging from 0 M to +90 M.
3. Contractor's Scope:

Following are the items contractor shall arrange for execution of work

- I. Primers and Paints required for the job.
- II. Personal protective equipment for the deployed manpower.
- III. Safety net, pulley blocks, lifeline, manila ropes, steel wire ropes, safety cages, rope ladder & other Ladders to reach to work site.
- IV. Power tools, scrapers, paint brush, rollers, wire brush, emery papers, buffing machine with wheels, cotton waste and cotton cloth etc.
- V. Supply board with power cable with light.
- VI. Motorized stirrer for paint mixing
- VII. All Tool & tackles
- VIII. All the required scaffolding materials will be under the scope of agency.

**4. Surface Preparation**



The following surface preparation based on surface condition may be carried out by agency

prior to painting for removing scale, coal, dust, rust & oil.

- I. Hand Tool Cleaning: The suitable hand tools include scrappers, wire brushes, abrasive pads, chisels & chipping hammers are to be mobilized by the agency for removing loosing adhering paint, rust or thick rust scale.
- II. Power Tool Cleaning: Agency must provide suitable power tools (Pneumatic or electric operated) to obtain required level of cleaning depending upon the condition of surface. Glossy areas of sound previous coatings need not be removed but should be mechanically abraded to create a surface profile to increase coating adhesion.
- III. Solvent Cleaning: The surface shall be cleaned by wiping, Immersion spraying or vapor contacting of a suitable solvent or washing with an aromatic solvent to remove oil, grease, dirt, old paint etc. Solvent cleaning shall not remove rust scales. Therefore before applying paint, solvent cleaning shall be followed by other cleaning procedures as mentioned above.

## 5. Paint Application

Staircase, handrail and structure shall be cleaned by hand tool/power tool cleaning and cleaning with sand paper to remove loose rust and to achieve the cleanliness. The entire surface should be thoroughly dust down before applying zincromate primer (one coat) & smoke grey synthetic enamel paint (two coat). The cleaned surface shall not be kept exposed to atmosphere for more than two hours (Particularly at night time when humidity percentage is more in atmosphere). Paint & related resources required for completion of the job shall be in the scope of the contractor.

The following paint application may be used during painting.

- I. Painting by Brush: The agency has to use clean brushes of the proper shape and size. Avoid excessive brushing which may reduce film thickness and decrease protection. Avoid filling the heel of the brush with material. Approximately half of the bristle length of the brush should be wet. Stroke the brush at 45 Deg angle. Light strokes at this angle ensure even flow. The brush application shall be up and down then clockwise and finally with up and down strokes lightly. This is called cross lapping and helps eliminate brush and lap marks. A new bristle brush shall be properly conditioned by

suspending it in raw linseed oil for a period of 24 hours. The oil soaks into the bristles which make it further impervious to paint pigments. Before use, the linseed oil shall be removed from the brush by washing it in a thinner compatible with the paint and subsequently used. After each day's work the brush shall be cleaned in mineral turpentine oil or any other thinner compatible with paint to remove all paint and pigments from the bristles and the heel of the brush. If the brushes are to be re-used the next day, they shall be hung in a thinner or linseed oil in a container. The brushes shall not be allowed to stand on bristles.

- II. Painting by Rollers: Suitable rollers of different nap length to suit varying surface roughness shall be used. Rollers are not generally recommended for application of primers. Roller application shall only be used if the first or priming coat of paint has been applied by brush or other means. Manufacturer's recommendation shall be strictly followed for roller applied paints.
- III. Painting by Spray Gun: Agency has to arrange all the required manpower, material, machinery and equipment for executing air spray painting. The areas for carrying out spray painting will be decided by OPGC E.I.C.

#### Air Spray Application:

While executing the work, agency has to follow the bellow mentioned points for effective painting.

Use lowest possible air and fluid pressure when operating a spray Gun.

Spray from proper distance (6-10 Inch).

Hold the gun perpendicular to the work surface throughout the spray stroke.

Move the spray gun at a speed, which assures that a full wet coat is applied to the surface.

- IV. Use of Thinner: The use of thinner shall be limited strictly to the paint manufacturer's instructions. Each coat of primer and finishing coats shall be applied only after ensuring that the paint is free from dew or moisture and the surface is hard dry and free from dust.

6. For each coat, DFT should be measured and is to be mentioned in protocol. Without clearance/sign Protocol, owner will not be responsible for the painting area which is carried out.
7. Painting thickness (DFT) instrument is in the scope of contractor, instrument to be calibrated & certificate to be submitted.
8. Any miscellaneous work not mentioned in the scope but is essential for completion of job, shall be deemed to be in the scope of the contractor.
9. Surface preparation and Painting work shall not be carried out under the following weather conditions:
  - I. When the surface is wet or expected to become wet before the paint/ primer has dried up due to impending rain, fog or mist.
  - II. High winds and dusty atmosphere.
  - III. Ambient below 5 Deg.C or surface temperature less than 3 Deg.C above dew point.
  - IV. Relative Humidity is more than 85%.

10. Paint Specification:

Specification of Paint and Primer for Structure, Staircase and Handrail: Paint and Primer shall be supplied by the contractor as per below mentioned specification:

- a) PRIMER # RED OXIDE ZINC PHOSPHATE PRIMER (ALKYD BASE) TO IS 12744

DFT= 30 $\mu$  PER COAT

- b) FINISH PAINT # SINGLE PACK, AIR DRYING, HIGH GLOSS ALKYD SYNTHETIC ENAMEL PAINT) TO IS 2932

DFT= 25-30 $\mu$  PER COAT

COLOR SHADE – SMOKE GREY SHADE NO: 692 of IS5

Theoretical Coverage Capacity - 21 sq. mtr/ liter @ 20 microns DFT 16.8 sq. mtr/ liter @ 25 microns DFT

Drying time at 30°C Surface Dry: 4 hours Hard Dry: 12 hours

Over coating interval at 30°C Min.: 12 hours, Max.: Unlimited, provided surface is dry and clean from all contamination

	ITEM DESCRIPT ION	SURFACE PREPARTIO N	PRIMER COAT	FINISH COAT	TOT AL DFT  IN $\mu$
	STRUCTU RAL STEEL	DEGREASI NG &  SURFACE PREPARATI ON	PRIMER COAT : -  RED OXIDE ZINC PHOSPHATE PRIMER (ALKYD BASE) TO IS 12744  NO OF COAT - 2/ DFT= 30 $\mu$ PER COAT	SYNTHETIC ENAMEL PAINT (LONG OIL ALKYD) TO IS 2932  NO OF COAT - 2 / DFT= 20 $\mu$ PER COAT  COLUR SHADE - SMOKE GREY SHADE NO: 692 of IS5	100
	HANDRAI LS	DEGREASI NG &  SURFACE PREPARATI ON	PRIMER COAT : -  RED OXIDE ZINC PHOSPHATE PRIMER (ALKYD BASE) TO IS 12744 NO OF COAT -1 / DFT= 30 $\mu$ PER COAT	SYNTHETIC ENAMEL PAINT (LONG OIL ALKYD) TO IS 2932  NO OF COAT - 2 / DFT= 20 $\mu$ PER COAT  COLUR SHADE - YELLOW	70

11. Paint Makes (shall be from any of the following):

- I. Asian Paints (I) Ltd.
- II. Burger Paints India Ltd.
- III. Shalimar Paints Ltd.

IV. Kansai Nerolac Paints Ltd

V. Jenson & Nicholson

Note: Agency has to take prior approval before considering purchase & usage of any of above brand for Primers & Paints.

12. General Instruction:

- I. Paint Items should be procured directly from the manufacturer or authorized dealer. In case of authorized dealer, certificate of authorization to be submitted. For both the cases, invoice copy to be submitted in which batch number must be mentioned.
- II. All paint materials shall be accompanied by Manufacturer test certificate.
- III. Painting shall follow immediately after satisfactory surface preparation.
- IV. No painting shall be carried out when there is a danger of dew or moisture or high humid conditions on the surface to be painted.
- V. Tools used shall be clean and not worn out.
- VI. The paint in drum shall be mixed thoroughly and proper mixing shall be done in case of two pack systems as per manufacturer's specifications before application. The drum shall be inspected for the correct grade and to see that no sediments are left in it.
- VII. In case paint is thickened because of evaporation of solvents, its viscosity shall be adjusted as recommended by the paint manufacturer.
- VIII. Each coat shall be inspected and allowed sufficient drying time to make the surface hard dry but not excessive before applying the next coat. Manufacturer's specifications for drying time shall be adhered to strictly.
- IX. Each individual coat shall be properly applied and shall be free from dust etc.

13. Inspection, Quality Check & Measurement:

- I. The quality check shall be done as per the QAP and it is the responsibility of the contracting agency to offer 'A&B' class checks to witness by the execution department.
- II. Protocol to be maintained with the signature of agency, EIC or his representative & OPGC Quality Engineer.
- III. The job shall be inspected at various stages by OPGC EIC or his representative. Surface preparation shall be inspected and only after

obtaining clearance from EIC, zincromate primer coat then after smoke grey synthetic enamel paint would be applied.

- IV. The prepared surface shall be compared with the standard photographs of IS or SSPC. Where the prepared surfaces are found to be equivalent to the standard photographs, they shall be deemed acceptable. Primer/Paint DFT shall be measured with appropriate DFT Meter, duly calibrated.
- V. After each coat of primer/finish paint, surface would be inspected by OPGC Engineer and only after obtaining clearance from him next coat would be applied. If the surface does not meet the specified requirements, the same shall have to be rectified by the contractor, free of cost.
- VI. The measurement sheet shall be signed by both contractor and OPGC EIC or his representative as a token of acceptance. In case of any dispute, decision of OPGC EIC shall be final and binding to the contractor.

Number of DFT readings shall be as per the sole discretion of OPGC EIC. Measurement shall be carried out three times at each point and average of three readings shall be taken as the measured value. If during inspection, DFT specified is not found on painted surface, the contractor shall provide additional coat to make up the deficit in DFT, at no extra cost.

#### 14. Measurement & Payment Terms:

- I. The unit of measurement shall be in M<sup>2</sup>.
  - II. Agency can claim the RA bill with necessary protocols to be submitted for billing (as per BOQ)
  - III. Partly attended jobs will not be considered for payment.
15. Only sealed paint tins to be brought at the site. The contractor is supposed to maintain an inspection book at the site. Job progress to be written on the same & to be brought every day before taking out the permit.
16. The contractor should be capable of executing painting work simultaneously at number of fronts depending upon the site requirements within contract period.
17. The contractor shall deploy competent & experienced Supervisor at site to arrange/guide manpower to take up day to day Painting work.

18. The Agency should deploy qualified and experienced Site safety supervisor to ensure safe execution of job with OPGC safety standards. Qualification and experience related Biodata of safety supervisor must be provided for approval to OPGC EHS department before deploying.
19. The personnel deployed for installation of scaffolding should have experience in installation and removal of the scaffolding in Power /Oil industry of similar capacity. They should be capable of working at height with safety. All the personnel who will be deployed has to submit the competency certificate exhibiting the capability /competence to do the job of installation & removal of scaffolding from industries of repute.
20. Working at Heights:
  - I. All working platforms, walkways and other places of O&M work area shall be free from accumulations of any material causing obstructions and tripping.
  - II. Every opening at elevation from/above ground level through which a worker, material equipment etc., may fall down. At O&M work area shall be covered or guarded suitably by the agency to prevent such falls.
  - III. Wherever the workers are exposed to the hazards of falling from height, the. Agency shall provide full - body harness safety belts fitted with fall arresting systems to all the employees working at higher elevations and life line of 8mm diameter wire rope with turn buckles for anchoring the safety belts/ full body harness while working or moving at higher elevations. (Safety nets shall also be provided for saving them from fall from heights and such equipment should be in accordance with BIS standards.)
  - IV. Wherever there is a possibility of falling of any material, equipment or workers while working at heights, a suitable and adequate safety net should be provided... The safety net should be in accordance with BIS Standards.
  - V. The agency shall provide proper access, portable scaffold platforms, ladders etc., wherever the workers are required to go to /reach higher elevations and ensure that /the workers use them as an access for higher elevations where/when a permanent access is not available. The workers shall be provided with safety belts fitted with suitable fall arrestor system for climbing /getting down through ladders to prevent fall from height. For horizontal movement, retractable type fall arrestors must be used.

#### 21. Openings:

The agency shall ensure that vessel, sump, tank, pit or opening in ground or in a floor which by reason of its depth (situation, construction or contains or may be a source of danger) at his workplace shall be either securely covered or fenced and necessary measures for protection against falling materials / objects or workers from such platform are taken by providing suitable safety nets, safety belts, safe means of access or other similar means.

#### 22. Painting Work Near Machinery:

The agency shall not allow any worker to examine any part of the machinery while the machinery is in motion. Ensure rotary machines where painting work is to be done are necessarily guarded. The workers working near the machinery in motion shall be provided with tight fitting clothes as required under State Factories Rules.

#### 23. Scaffoldings and Working Platforms:

- I. The agency shall take all precautions to prevent any accidental collapse of scaffolding or working platforms or fall of persons from scaffolding or working platforms. The agency shall ensure that scaffolding erection and repairs are done under the expert supervision.
- II. The scaffolding shall meet the required strength and other requirements for the purpose for which the scaffolding / work platform is erected. The material used for scaffold / work platform should conform to the BIS standards.
- III. Scaffolding and working platform to be certified by OPGC safety officer.

#### 24. Overhead Protection:

- I. The agency shall ensure that any area, exposed to risk or falling materials, articles or objects is roped off or cordoned off or otherwise suitably guarded from inadvertent/ to prevent entry of any person.
- II. Wherever there is a possibility of falling of any material, equipment or construction workers while working at heights, a suitable and adequate safety net should be provided. The safety net should be in accordance with BIS Standards.



#### 25. Electrical Hazards:

- I. The agency should ensure that all electrical installations / equipment used in O&M work area comply with the requirements of latest electricity acts & rules.
- II. The agency shall take all adequate measures to prevent any worker from coming into physical contact with any electrical equipment or apparatus, machines or live electrical circuits which may cause electrical hazards during the construction work. The agency shall provide the sufficient RCCBs for all the portable equipment, electrical switchboards, distribution panels etc. to prevent electrical shocks to the workers.
- III. The agency should ensure use of double insulated / Fiber body hand tools or low voltage i.e. 110 volts hand tools.
- IV. Wherever OPGC Electrical & Mechanical Safety Rules prescribe, the agency shall not undertake any work till the permit is obtained for the specific work in accordance with OPGC Rules.
- V. The electrical equipment shall be properly earthed to prevent electric shock. For power supply cables to be used. The receptacles, socket and Plug top should be of adequate capacity and safe to use.
- VI. All portable electrical tools e.g. grinding machine, drilling machine etc. shall be checked and certified by the electrical maintenance dept. / Safety dept. before taken in to use.

#### 26. Lifting Tools and Tackles:

The agency shall use the lifting appliances, tools & tackles including cranes etc., lifting gear including fixed or movable and any plant or gear, hoists. Pressure plant and equipment etc., are in good condition and examined and by the Certified Competent Person as per statutory requirements. The record of such inspection, testing and examination shall be kept at the site and shown to OPGC E.I.C. / Safety I/c. on demand.

#### 27. Medical Examination:

- I. The agency shall get the medical Fitness examination conducted of all his employees By a Govt. Doctor once before the employment/renewing the contract.

- II. Medical certificate for each worker has to be submitted by the agency at the time of Safety Induction Training (SIT).
- III. As work involves working at height, medical parameters for fitness of manpower deployed for height jobs must be ensured for safe execution of painting related jobs.

28. OPGC SCOPE:

- I. Water, air & Electricity at free of cost is in the OPGC Scope of Supply.
- II. Space for making storage container/ temporary shade shall be allocated by OPGC E.I.C. as per site availability.

**5. Required Information**

- 3.1. The prospective agencies are required to submit particulars of the firm with the background of operation & business.
- 3.2. The party submitting the EOI shall be bearing all costs associated with the preparation and submission of the EOI and OPGC will, in no case be responsible or liable for these costs, regardless of the conductor outcome of the assessment/evaluation process.

Quality Plan								
Name of work- Painting of Mechanical Structures at OPGC								
A:CRITICAL B:MAJOR C:MINOR								
S.No	ITEMS /STAGE AND CHARACTERISTICS TO BE CHECKED	TYPE OF CHECK	METHOD OF CHECK	FREQUENCY	RELATED SPECIFICATN & ACCEPTNCE NORMS	FORMAT OF RECORD	A/ B/ C	REMARKS
I	II	III	IV	V	VI	VII	VIII	IX
1	All type of paint & primer (Contractor supply)	Brand, batch no. & shelf life	Physical verification	100%	OPGC specifications	Manufacturer' s test certificate	A+B	Party to submit manufacturer's test certificate of supplied primer / paint
2	Surface preparation / cleaning	Physical	Visual	100%	OPGC specifications	---	B	Surface preparation to SSPC grade or as given in scope of work
3	Painting with suitable paint	Physical	Visual	100%	OPGC specifications	---	B	Painting with primer / paint as given in painting schedule
4	Letter writing / arrow marking	Physical	Visual	100%	OPGC specifications	---	B	Letter writing / arrow marking as per instructions of EIC / area engineer
5	Spillage cleaning	Physical	Visual	100%	OPGC specifications	---	B	---
6	DFT measuring instrument	Calibration certificate	Physical verification	100%	Govt. / NABL approved lab	-	A+B	Party to submit valid calibration certificate
7	Dry film thickness (DFT) measurement after completion of one area / section	Physical	Measurement by Elcometer	Test patches	Min. DFT of particular primer / paint as given in scope of work	DFT measurement	A+B	If required DFT not achieved then additional coat has to be done to get required thickness.
Note: It is the responsibility of the contracting agency to offer 'A&B' class checks to witness by execution department.								

	CONTRACTOR	OPGCL
SIGNATURE		
Name/Designation		

## **6. Bid Document & Instruction to Bidders:**

The bid complete in all respect must be submitted in sealed envelope super scribed with EOI number, Name of the work. The bid documents are not transferable.

The bidder must submit the following documents:

- i. Signed & Stamped EOI Documents (all pages) as a token of acceptance.
- ii. Photo copies of GST Registration Certificate, IT PAN, Provident Fund and ESI Registration Certificate.
- iii. Filled in and signed formats as specified in Annexure – I & II.
- iv. Credentials and other supporting documents as per requirement

## **7. Submission of EOI:**

Interested parties are required to submit all the documents as per the attached format complete in all respect through courier, registered post or hand delivered to the following address.

DGM- Contract Cell  
ITPS, Banharpali, OPGC,  
District- Jharsuguda,  
Odisha,  
Pin- 768234

### **NOTE:**

- I. Each page of the documents submitted shall be duly authenticated by the applicant.
- II. The language of submission of applications shall be in English.

For any further clarification/queries the following personnel may be contacted:

- For Commercial queries:  
Sri Manoj Pradhan;  
D.G.M. (Contract Cell)  
E-Mail Id. [manoj.pradhan@opgc.co.in](mailto:manoj.pradhan@opgc.co.in)  
Mob no : +91- 7852904002

Sri. Satya Tarai  
Sr. Manager (Contract Cell)  
E-Mail Id. [Satya.tarai@opgc.co.in](mailto:Satya.tarai@opgc.co.in)  
Mob no: +91- 7682854483

- For Technical queries:  
Sri J N Pal  
GM (Mechanical Maintenance)  
E-Mail Id. [jeetendra.pal@opgc.co.in](mailto:jeetendra.pal@opgc.co.in)  
Mob no :+91- 9124364031

**ANNEXURE-I**  
**Standard Format for Expression of Interest**

Date: \_\_\_\_\_

To,  
DGM- Contract Cell  
ITPS, Banharpali,  
OPGC,  
District- Jharsuguda,  
Odisha  
Pin- 768234

Subject: Expression of interest (EOI) for “\_\_\_\_\_”

Dear Sir,

In response to your public advertisement in [Insert the names of the newspaper and/or website] on [Insert date of the advertisement] inviting EOI for “\_\_\_\_\_”  
; we hereby submit our EOI.

We have also attached information according to the standard form as per attached Annexures. The information furnished by us in this EOI is true, correct and accurate to the best of our knowledge.

Sincerely yours,  
On behalf of the firm/company/organization:

Signature: \_\_\_\_\_  
(Person signing the EOI and supporting documents should be an Authorized Signatory supported by necessary Board resolutions)

Name of signatory; Designation; Company Seal/stamp

## **ANNEXURE-II CREDENTIALS**

1. Name and address
  - i. Name of the Firm/Company/Organization:
  - ii. Corporate Address:
  - iii. Registered Address:
  - iv. Telephone No:
  - v. Fax:
  - vi. Email:
2. Contact Person:
  - i. Name:
  - ii. Designation:
  - iii. Telephone No:
  - iv. Email:
3. Company Profile:
  - i. Core area of expertise:
  - ii. Date of Incorporation:
  - iii. CIN No.:
  - iv. GST No.:
  - v. PAN No.:
  - vi. Share holding Pattern:
  - vii. Financial Capability (Including Turnover, Reserve and Surplus etc.)
4. Key Operating parameters for Last three Financial Years:
5. Supporting Documents: [Provide copy of the registration, copy of PAN of the firm; with their latest renewals where applicable, Audited Financials for last three Financial years]
6. Experience/ Details of similar work executed (Along with supporting documents /credential issued by the client company) in Last three FY:
  7. Any other details: