



BID DOCUMENT

Name of the Work: - "Construction of Football Stadium at Dhumabata, Patnagarh, Balangir, Odisha under CSR"

SAFE & CLEAN POWER IS OUR COMMITMENT

ODISHA POWER GENERATION CORPORATION LIMITED

**Ib Thermal Power Station, Banaharpali, Jharsuguda – 768234
(ODISHA)**

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ODISHA POWER GENERATION CORPORATION LIMITED
(A Government of Odisha undertaking)
AT-IB THERMAL POWER STATION, PO: BANAHARPALI, DIST: JHARSUGUDA, ODISHA-768234
Phone no: (Land Line No. 06645-289232/221/355/356/245)

NOTICE INVITING TENDER

OPGC invites sealed bids from bona fide and financially sound Registered Agencies /Firms /Companies for execution of the following Works for its Thermal Power Plant at Banharpali.

S/N	Name of the Work	Tender cost(Rs.)	EMD (Rs.)
1	Construction of Football Stadium at Dhumabata, Patnagarh, Balangir, Odisha under CSR	2,000/- including GST	7,80,000/-

Online EMD Collection:- <https://payments.billdesk.com/bdcollect/bd/odishapowergenerationcorporationltd/19850>

In addition to the conventional modes of submission, Bank Guarantees in the form of Electronic Bank Guarantee (e-BG) shall be accepted for all purposes including Earnest Money Deposit (EMD)/Bid Security, Performance Security, Defect Liability Security, and Security against Mobilization Advance.

Participation -MSTC

Mandatory Registration: All prospective bidders must register themselves on the MSTC e-Procurement Portal (www.mstcecommerce.com) to participate in the tendering process. Since this tender is hosted and published exclusively on the MSTC platform, bids submitted through any other mode will not be entertained.

Cost of bid document (non-refundable) shall be paid by Demand Draft in favour of OPGC Ltd. drawn on State Bank of India (Code-9510) / Union Bank of India (Code-UBIN0806625) / Central Bank of India (Code-283899) payable at ITPS, Banharpali or ICICI Bank (Code-ICIC0003679) payable at Telenpali. Cost of bid document shall have to be submitted along with the bid and the DD towards the tender cost (separate from EMD) should be prepared on or before the last date of submission/receipt of tender, otherwise the bid shall be liable for rejection. Small scale industries/National Small-Scale Industries Corporation/ MSME firms are exempted from payment of Cost of bid document only if they are entitled for exemption of the offered service. Tenderers seeking exemption shall claim in advance along with the photocopy of Valid Registration Certificates at least two days before the due submission date. However, OPGC reserves the right to accept/ reject the exemption request if the same is found unauthenticated or not relevant to the offered item. In case of any discrepancy found between tender document submitted by the agency and the master copy in our office, the latter should prevail. No claim on this account shall be entertained.

NB: Bidders having the requisite qualifying requirements as specified in the bid document shall only be considered for tender evaluation.

DGM-CONTRACTS

SAFE & CLEAN POWER IS OUR COMMITMENT

OPGC encourages all existing or new vendors/suppliers to register with us as empaneled vendors. Please visit our website www.opgc.co.in for details.



ODISHA POWER GENERATION CORPORATION LIMITED
Ib Thermal Power Station, Banaharpali

Name of the work: Construction of Football Stadium at Dumabhata, Patnagarh, Balangir, Odisha under CSR

Bid Document & Instruction to Bidders

Bid Document

The Bid documents consist of the following documents:

1. Copy of NIT
2. Bid document & Instruction to Bidders
3. Qualifying Criteria
4. General Conditions of contract
5. Safety, Health & Environment (SHE) Rules & Regulations for Contractors
6. Scope of Work
7. Special Conditions of Contract
8. Rules and Regulations of the e-Reverse Auction
9. Blank Price bid

Techno-Commercial Bid:

The bidder must Upload the following along with the techno-commercial bid:

- 1) EMD
- 2) GST Registration Certificate, Provident Fund Registration Certificate, ESI Registration Certificate and IT PAN.
- 3) Signed & Stamped Bid Documents (all pages) as a token of acceptance.
- 4) Filled in and signed formats as specified in Annexure of GCC.
- 5) Credentials in support of qualifying requirements.
- 6) Commercial terms and conditions and deviation statement.
- 7) MSME (Micro/small/medium)/NSIC/SSI status of your firm.
- 8) Documents and undertakings as per the Qualification criteria requirement.



Instruction to the Bidder:-

1. As the tendering process will be conducted through E-bidding, bidders are required to submit their bids exclusively **via MSTC Portal. No hard copy of the bid is required to be submitted by the bidders.**
2. Bidders must not include any price details or price-related information in the techno-commercial bid. Any bidder who includes such information in the techno-commercial bid is liable to be disqualified/rejected.
3. Small scale industries/National Small Scale Industries Corporation/ MSME firms shall be exempted from payment of Earnest Money Deposit/Security Deposit/Tender Fees only if they are entitled for exemption of the offered service. However, OPGC reserves the right to accept/ reject the exemption request if the same is found unauthenticated or not relevant to the offered item.

Qualification Criteria

2.1	Technical Criteria:
2.1.1	Experience of having successfully completed Similar nature of works during the last 7 years as on the date of Techno commercial bid opening. Credentials for successfully executed Similar work must be submitted along with the Bid. Relevant PO copies and Client's completion certificate will be considered as the credential/documentary proof. Similar works shall be considered in either of the following. a) Three Completed similar works not less than Rs.156 Lakhs OR b) Two completed similar works not less than Rs. 195 Lakhs OR c) Single completed similar works not less than Rs.312 Lakhs
2.2.2	Order copies and satisfactory completion certificate with executed value & completion date, issued by the client to be submitted as supporting documentary evidence along the technical bid.
*Similar Work	Similar works means civil projects like industrial buildings / residential buildings, stadiums including RCC and Area Grading works
2.2.	Financial Criteria
2.2.1	The bidder should be financially sound and shall have average annual financial turnover during last financial year FY-2023-24, FY-2024-25 and FY-2025-26 of minimum Rs. 117 Lakhs. The bidder shall submit audited balance sheet including Profit & Loss statement as documentary evidence in support of the qualifying criteria. For the purpose of calculating financial turnover, revenue from Trading Business and Other Income is not admissible. OR In cases where a bidder is not required to prepare or obtain audited Balance Sheets and Profit & Loss Statements in accordance with the applicable Government Financial Circulars, Acts, Rules, or Regulations, the bidder shall submit certified copies of the relevant financial statements duly certified by a Registered Practicing Chartered Accountant. Notwithstanding anything contained in the above clause, Bidder(s) must not be in loss making financial status and should have a positive net worth during the financial years mentioned above.
2.3	General Criteria

2.3.1	Safety requirement-Bidder loss time hours must have been less than 200Hrs in last 3 years. (Contractor's self-certification).
2.3.2	The bidder must have its own Provident Fund Registration certificate, ESI Registration certificate, Income Tax PAN and GST certificate. Photocopies of these documents must be submitted along with Techno-commercial Bid.
2.3.3	The bidder must submit an undertaking that it is not blacklisted or debarred from participation in tenders during the last 02(Two) years on ground of performance for the similar nature of job. (Contractor's Self Certification) AND Insolvency: Bidder should not be under NCLT, insolvency proceedings, liquidation etc.
Note:	Notwithstanding anything stated above, OPGC reserves the right to assess the capability and capacity of the Bidder to perform the contract should the circumstances warrant such an assessment in the overall interest of OPGC. • For all qualification criteria all supporting documents to be provided. 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. • Tenders submitted without the above techno-commercial requirements shall be liable for rejection. • Any other documents in addition to the above which the applicant wants to submit. • The bidders who are found qualified in the above will be invited for the opening of the price • OPGC reserves the right to do due diligence of the credentials submitted by the bidders.

SCOPE OF WORK & TECHNICAL SPECIFICATION

Name of Work: Construction of Football Stadium at Dhumabata in Patnagarh, under the Balangir District of Odisha.

1. Background:

OPGC proposes to construct a football playground with other facilities at Dhumabata in Patnagarh, under the Balangir District of Odisha.

The following infrastructure works are proposed for the construction of one football playgrounds at Dhumabata, Patnagarh under the Balangir district.

- 1.1. Construction of RCC open gallery with a seating capacity of 1,000 persons for each playground.
- 1.2. Construction of RCC framed boundary wall of height 1.8 mtr from GL- 480 mtr (Dhumabata).
- 1.3. Construction of ladies & gents toilet blocks with changing room with an area of 176 sq. mtr for Dhumabata, patnagarh playground.
- 1.4. Construction of one no. of entrance gate at dhumabata, playground.
- 1.5. Construction of stage with VVIP Green room of size 20m x 6m (120 sq.mtr) with granite flooring and SS railing.
- 1.6. Levelling and grading of the ground with good earth.

The scope shall include the following:

1. The period of contract is 8 months (240 days), excluding 7 days for mobilization.
2. The contractor is required to mobilize his men, tools, equipment & machineries at work site within 7 days of the date of issue of LOI/Work order at the commencement of the contract, failing which the Engineer-In-Charge will annul the contract agreement at his discretion. In the event of any such annulment, the owner reserves the right to recover the cost and other financial losses from the contractor in any manner deemed legally correct. The onus of proving that the delay in mobilization was beyond the control lies with the contractor. The Engineer-in-charge after satisfying himself with the reason for the delay if any may allow extension of time to avoid the annulment of the contract.
3. All the vehicles & machineries used for the purpose of the work should have proper documents and driver should have professional license.
4. All materials brought into the plant by the contractor are to be recorded in the main plant gate the same will be submitted with bill.
5. Separate JSA will be done as per the site condition to execute the work for medium and high-risk jobs.
6. The raw material brought by the agency should be stacked properly at place shown by department Personal so as not to cause any inconvenience to other people working in the area.
7. Safety PPE to be followed as per OPGC norms and regulation.

8. Gate pass will be followed as per OPGC norms and regulations (if required).
9. Security of contractor's equipment, etc is of contractor's responsibility.
10. Agency has to make his own arrangement of construction water for the works from available points only. Water source point will be shown by EIC.
11. **No mobilization** and **demobilization** cost for the machineries will be paid by owner.
12. The quantity indicated in the **BOQ is tentative**, which may vary as per site requirement.
13. Before commencing the work, the Bidder shall obtain the approval of the owner and representative of owner in writing regarding the schedule of work to minimize damage, disfiguration or staining by other trades.
14. Bidder shall also undertake normal precautions to prevent damage, disfiguration or staining to work of other trades or other installations, with no extra cost to owner.
15. Work should be carried out as per direction of Engineering In- Charge and intimation regarding progress of work should be imparted from time to time.
16. Any bad work / deviation from specification notice during inspection should be rectified immediately without any extra cost implication.
17. If any damage occurs to work and structure of other agencies like mechanical, electrical then bidder should repair and finish good at his own cost.
18. 28 days curing should be ensured in concrete surface.
19. The work shall be as per Technical Specification, relevant IS codes and Good engineering practice.
20. **Performance guarantee: 12 calendar months** (01 years) from the date of completion of the work.
21. The bidder shall make arrangement for **water, and power consuming** equipment's at its own cost.
22. Skilled work force with experienced supervisor and technical person should be deployed by the bidder with no extra cost to Owner.
23. All tools, tackles, brush, rollers, spray, buffing equipment's and other consumables are in the scope of Bidder, no extra claim shall be entertained by the client.
24. The bidder shall maintain and follow all safety regulations followed by owner without any extra cost to owner.
25. The bidder shall not claim extra for any wastage, damages of construction material.
26. The quantity in Bill of quantity may vary up to +/- 10 %.
27. All materials shall be subject to inspection, analysis and approved by the Owner and its representatives.
28. The Bidder shall arrange for safe and proper storage of all materials and tools. The storage space if allotted within the project premises shall be adequately protected from damage, disfigurement & stains. All necessary precautions shall be taken by the Bidder to prevent fire.
29. Bidder shall be submitting Field Quality Plan for approval to Owner and shall implement same during the work.
30. Bidder shall strictly follow the approved products/brand and approved drawings.
31. Bidder shall keep arrangement for regular housekeeping during and post work, to keep plant area clean.
32. All necessary curing and treatment need to be done by the bidder with no extra cost to the owner.

33. The bidder needs to officially handover the structure / work area to the owner after completion of work.
34. Any work not specifically mentioned but required for completion of the job is deemed to be included in the scope.



TECHNICAL SPECIFICATION

Name Of Work: - Construction of Football Stadium at Dhumabata, Patnagarh, Balangir, Odisha under CSR.

The agency has to do the following jobs as per direction of Engineer-in-charge.

- 1) The cement used for work shall be Ordinary Portland cement (OPC GRADE- 53) :- ACC/ ULTRATECH/RAMCO/JAYPEE/ GUJARAT AMBUJA/SAGAR or any brand approved by EIC.
- 2) Sand should be free from clay, mica, vegetable and organic matter or any other foreign matter
- 3) Portable water should be used for mixing and curing cement works.
- 4) RCC work should be executed in **M25 & M20 grade** with 12-20mm grade black hard granite crusher broken chips approved by civil execution or approved by EIC.
- 5) PCC work should be executed in **M10** grade with 12-20mm grade black hard granite crusher broken chips approved by civil execution or approved by EIC.
- 6) High strength deformed TMT bars of Grade **Fe – 500D of IS 1786-2008**. (SAIL/ JINDAL/ TATA TISCON Or any brand approved by EIC).
- 7) All structural materials – make (TATA/JINDAL/SAIL).
- 8) All paint materials- make (ASIAN / BERGER).
- 9) All putty materials – make (Birla white / Asian acrylic wall putty / JK wall putty)
- 10) All SS materials – make (Jindal / TATA).
- 11) All Electrical materials – make (Havells / Polycab / Finolex).
- 12) All UPVC windows materials- make (Fenesta / Hindalco / Prominence / Aparna Venster (Okotech)
- 13) The curing shall be ensured for a minimum period of 21 days.
- 14) Any defective materials brought to the site should be removed by the agency at the instance of department.
- 15) Contractor has to arrange materials required to complete the work.
- 16) The agency has to arrange the cement required to complete the work.
- 17) All the materials required for the work are to be approved by concerned Engineer before use.
- 18) After completion of the work agency has to clear all the left-out materials, other arrangements made for the work and clean the site properly. Then only the work will be treated as complete. The EIC shall certify the cleaning of work site before billing.
- 19) Agency has to make his own arrangement of construction water for the works from available points only.
- 20) One experienced supervisor should be deployed at the site for supervision and taking care of all the aspects.
- 21) PTW must be taken before the start of the work. The contractor supervisor shall work as a safety coordinator for the work.

Bill of Quantities (BOQ)

Name of Work: Construction of Football Stadium at Dhumabata, Patnagarh, Balangir, Odisha under CSR.

SI No	Description of Work	Unit	Quantity	Rate Including GST	Amount
	Civil				
1	Dismantling Brick / Tile work in cement mortar including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres.	M3	59.84		
2	Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead complete as per the direction of EIC.	M3	20.16		
3	Earth work in excavation by manual / mechanical means in foundation trenches or drains, including dressing of sides and ramming of bottoms and dewatering wherever required, including all lifts, including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 5km including cost of all labours/ equipment , taxes (excluding GST), sundries and T&P etc all complete as per the direction of Engineer-in-charge.	Cum	1926.40		
4	Earthwork in filling by excavation of approved type of soil in approved barrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within initial lead of 5 km on properly prepared and approved surfaced including spreading and levelling the earth in 22.5cm layers to make ready for watering and compaction with sheepfoot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, watering , hire & running charges of all machineries, royalty and barrow area etc. complete as per the direction of E.I.C. (Measurement of the fill to be taken on the finished compacted section under OMC condition. Earth to be arranged by the contractor at his own risk and cost)	Cum	7980.00		
5	Filling excavated earth (excluding rock) in trench, plinth and side of foundation etc. In layer not exceeding in 20cm depth, consolidating each deposit layer by ramming and watering, lead up to 50m and lift up to 1.5m including cost of all labours, materials, conveyance, loading and unloading, sundries and T&P, as per design and direction of the Engineer -in-charge..	Cum	2053.50		
6	Filling in foundation, trenches and plinth with river sand in layers not exceeding 20 cm in depth, well watered and compacted in layers with top surface dressed and levelled to proper gradient including cost of all materials, conveyance, all taxes (excluding GST) and royalties, loading and unloading, including cost of all labour, all taxes (excluding GST), sundries , T & P etc. complete as per directions of the Engineer -in-charge.	Cum	235.30		

7	Providing and laying of Cement Concrete of grade 1: 4 :8 (1cement : 4 sand : 8 graded stone aggregate of size 25mm to 40 mm hard granite crusher broken metal) ,mixing in concrete mixer ,lowering and compacting in proper thickness , watering & curing for the required period, including all cost of labour ,material, conveyance, royalties and taxes (excluding GST) , sundries , T&P etc. complete as per the direction of Engineer-in-charge.	Cum	192.00		
8	Providing and laying in position M20 Grade machine batched/ machine mixed RCC of Following grade for reinforced cement concrete work including laying of concrete using 12 mm to 20 mm size crusher broken hard granite chips excluding the cost of centering, shuttering, and reinforcement but including admixture in recommended proportions to accelerate, retard setting of concrete, improve workability without impairing strength and durability, including cost all materials, conveyance , royalties, loading and unloading, cost of all labour, sundries, T&P etc. Complete as per the design and direction of Engineer-in-charge.	Cum	524.30		
9	Providing and laying in position M25 Grade machine batched/ machine mixed RCC of Following grade for reinforced cement concrete work including laying of concrete using 12 mm to 20 mm size crusher broken hard granite chips excluding the cost of centering, shuttering, and reinforcement but including admixture in recommended proportions to accelerate, retard setting of concrete, improve workability without impairing strength and durability, including cost all materials, conveyance , royalties, loading and unloading, cost of all labour, sundries, T&P etc. Complete as per the design and direction of Engineer-in-charge.	Cum	357.00		
9	Providing steel centering and shuttering(steel plate/ ply board) to required shape and size for all kinds of R.C.C. works, centering materials with all necessary props, bracing, ties and supports with level centering using bituminous paper wherever required, as per the direction of the Engineer -in-charge and dismantling and removing the shuttering after the required interval from the date of casting, including cost of all materials with transportation, taxes (excluding GST), loading and unloading etc. and all labour, sundries, T&P scaffolding etc. complete.				
a	Footing,Pedestal,Plinth Beam	Sqm	2132.90		
b	Column and Roof Beam	Sqm	1939.80		
c	Chajjas & Slab	Sqm	423.00		
d	Lintel	Sqm	117.60		
e	Stairs	Sqm	584.40		
10	Providing, fixing in position TMT/Fe-500 reinforcement bars for RCC work of required diameter of approved quality including straightening, cutting, bending, binding, welding and joining (if necessary) and tying the grills and placing in position as required for R.C.C. work and providing hoisting, lowering and laying including cost of all materials, conveyance, taxes (excluding GST), T&P, cost of binding wires of 16 to 20 gauge and labour required for the work for bending, binding and tying the grills in all heights as per the specification & direction of Engineer -in-charge.	Qntl	749.11		

11	Flyash brick masonry in cement mortar (1:6) using flyash bricks having crushing strength not less than 75kg/cm ² , immersing the bricks in water before use, splays cutting, circular moulding , corbelling etc. including cost of material, conveyance ,taxes (excluding GST) & royalties, loading and unloading of all materials & cost of all labours ,materials, scaffolding ,watering & curing ,sundries, T & P etc. complete as per the direction of Engineer-in-charge . (Above Plinth).	Cum	410.50		
12	Flyash brick masonry in cement mortar (1:6) using flyash bricks having crushing strength not less than 75kg/cm ² , immersing the bricks in water before use, splays cutting, circular moulding , corbelling etc. including cost of material, conveyance ,taxes (excluding GST) & royalties, loading and unloading of all materials & cost of all labours ,materials, scaffolding ,watering & curing ,sundries, T & P etc. complete as per the direction of Engineer-in-charge . (Below Plinth).	Cum	45.20		
13	Providing 12mm thick cement plaster to the surface of brick masonry wall with cement mortar (1:6) including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats only to proper plumbs and level and making grooves and beads to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, all taxes (excluding GST) and royalties, all labour, scaffolding, watering and curing, sundries and T&P etc all complete as per direction of the Engineer -in-charge.	Sqm	5002.60		
14	Providing 6mm thick cement plaster with cement mortar of (1:4) over R.C.C surface, including roughening, scraping and cleaning and finishing the plastered surface smooth to proper plumbs and level, making grooves and beads to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, all taxes (excluding GST) and royalties, all labour, scaffolding, curing, sundries and T&P etc all complete as per direction of the Engineer -in-charge.	Sqm	339.25		
15	Finishing wall surface of walls with Acrylic wall putty (Water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials all taxes (excluding GST), labour, conveyance, watering & curing T&P etc complete as per direction of Engineer -in-charge.	Sqm	1599.41		
16	Wall painting with two or more coats of Plastic emulsion paint of approved brand and manufactures to give an even shade over a coat of putty and primer of approved brand :etc. Including cost of all labours, materials, conveyance, loading and unloading, scaffolding, all taxes (excluding GST) and royalties, sundries and T&P etc all complete as per direction of the Engineer -in-charge.	Sqm	1599.41		
17	Painting two coats with Water soluble weather coat paints of approved shade of approved make or equivalent over out side brick wall over a coat of primer, by means of brush to outside surface of new walls after scraping, cleaning the surface including all cost of materials, scaffolding, all taxes (excluding GST), labour, watering & curing T&P etc complete as per direction of Engineer -in-charge.	Sqm	3403.19		

18	Providing & laying best quality <u>Vitrified antiskid tile of size (600mmX600mm)</u> confirming to IS-15622 specifications in floor over 25mm thick cement mortar (1: 1) to proper slope, line and level including cutting to required size and shape, fixing at corners and splays etc. Including finishing the joints with epoxy based water proofing grout to match the colour and shade of tiles complete as per the drawing & Specification with cost of all materials, labour, conveyance, royalites T&P etc. all complete as per the direction of engineer in charge (Johnson/Kajaria/Somani/AGL make vitrified antiskid tile of size 600mm x 600mm x 10mm and Ivory colour)	Sqm	216.00		
19	Providing & laying vitrified tile of specified size in skirting cut from approved make confirming to IS-15622 specifications over 12mm thick cement mortar (1: 3) to proper line and level to a height as per design including cutting to required size and shape, fixing at corners and splays etc. including finishing the joints with epoxy based water proofing grout to match the colour and shade of tiles and complete as per the design & drawing with cost of all materials, labour, conveyance, taxes (excluding GST) ,royalties, sundries and T&P etc. All complete as per the direction of Engineer -in-charge.	Sqm	46.00		
20	Providing & laying best quality <u>Anti skid Ceramic floor tile</u> confirming to IS-15622 specifications in floor over 25mm thick cement mortar (1: 1) to proper slope, line and level including cutting to required size and shape, fixing at corners and splays etc. Including finishing the joints with epoxy based water proofing grout to match the colour and shade of tiles complete as per the drawing & Specification with cost of all materials, labour, conveyance, royalites T&P etc. all complete as per the direction of engineer in charge (Johnson/SOMANI/KAJARIA make vitrified antiskid tile of size 300mm x 450mm x 10mm)	Sqm	96.00		
21	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622(thickness to be specified by the manufacturer), of approved make, in all colours shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade including cost of materials, transportation labour, T&P etc complete as per the direction of EIC.	Sqm	256.30		
22	Providing and fixing factory made 30 mm thick PVC door made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mmx 1 mm, painted with primer , all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mm x 8 mm complete as per manufacturer's specifications and direction of Engineer-in-charge.	Sqm	37.80		

23	Providing & Painting 02 (two) coat with approved brand & shade Synthetic enamel Paint (Asian / Dulux / Shalimar / Berger) on old / new wooden or steel surface over a coat of wood primer including thorough cleaning, rubbing out loose scales etc and preparation of the surface area of application, including all cost, conveyance, T & P, taxes of all materials, scaffolding & labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	29.20		
24	Supplying, fitting and fixing in position well seasoned & dressed Sal wood choughats in doors, free from defects such as dead knots etc. in all floors including two coats of termite proof wood preservatives to Rear surface of frames which is in contact with concrete and masonry surface fitted with 6 nos. of W.I. Clamps and required screws of approved quality including cutting legs to sizes, cutting holes in walls, fixing in CC 1:2:4 including cost, conveyance, royalties and taxes (excluding GST) of all materials and cost of all labour, sundries, T & P etc. required for all the work complete as per the directions of Engineer -in-charge.	Sqm	4.86		
25	Supplying, fitting and fixing of 32mm thick flush door shutter with approved quality of 30mm thick BWR block board pasted with 1mm thick sunmica on both side of approved design and quality including cost of all door fittings and fixtures etc. complete	Sqm	42.30		
26	Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window up to 1.75 sqm) including cost, conveyance of all materials and cost of all labour, sundries, T & P etc. required for all the work complete as per the directions of Engineer -in-charge.	Sqm	16.80		
27	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete, as per the direction of Engineer-in-Charge.	Kg	708.00		
28	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	183.00		
29	Providing and laying 25mm.thick A.S.flooring with CC (1:2:4) using below 20mm to 12mm h.g crusher broken metal of approved quality including cost of carriage royalties and taxes of all materials etc complete as per the direction of EIC.	Sqm	1139.20		
30	Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring cut granite stone of required size and shape of approved shade, colour and texture in footpath, flooring in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge.	Sqm	141.80		

31	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS :277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of raw plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering up to 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge.				
a)	12.5 mm thick tapered edge gypsum moisture resistant board	Sqm	206.00		
32	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. complete as per the direction of EIC.	Rmt	58.80		
B.	Internal PH & Sanitary Works				
33	Providing and placing on terrace (at all floor levels) polyethylene water storage tank of capacity 2000 ltr, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. including cost of all materials with taxes (excluding GST) and transportation, all labour, scaffolding, sundries, T&P etc. All complete as per the direction of the Engineer -in-charge.	Each	3.00		
34	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes conforming to IS:15778 of SDR-11, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Rates are inclusive of all cost of materials, labour, conveyance, loading & unloading and T&P etc. complete as per the direction of EIC.				

a)	15mm dia	Mtr	54.00		
b)	20mm dia	Mtr	48.00		
c)	25mm dia	Mtr	62.00		
c)	32mm dia	Mtr	85.00		
35	Supply fitting and fixing of UPVC SWR pipes conforming to IS-13592 including jointing of pipe with approved solvent cement in non-heat application method including testing as per standard specification both below & above ground level/floor & on walls. including supply of bobbins,nains,screws,wooden cleats ,pipe clamps, door bend, junction as per requirement including earthwork excavation & fitting ,cutting walls, floor & making good the damages with cement concrete (1:2:4) ,including scaffolding wherever necessary, complete including cost of all labours, materials, conveyance, loading and unloading and royalties, sundries and T&P etc, as per direction of the Engineer -in-charge.				
	110mm dia UPVC SWR pipe(Type-B)	Each	88.00		
	75mm dia UPVC SWR pipe(Type-B)	Each	42.00		
36	Supplying fitting and fixing of the following items, including cost of all fitting and fixtures, labours, materials, conveyance, loading and unloading, all and royalties, sundries and T&P etc all complete as per direction of the Engineer -in-charge.				
	CP Brass Over Head Shower	Each	4.00		
	Concealed Shower mixer	Each	4.00		
	Shower Arm	Each	4.00		
	Battery based infrared sensor operated white Vitreous Urinal of approx.. size 610x390x370 mm	Each	6.00		
	15 mm CP 2 in 1 Bib cock	Each	15.00		
	15mm dia CP pillar cock	Each	6.00		
	CP Soap Dish OVAL SHAPE	Each	15.00		
	Floor trap with CP grating	Each	20.00		
	15mm dia CP extension piece	Each	22.00		
	Towel Ring	Each	24.00		
	15 mm dia CP Flange	Each	24.00		
	Mirror	Sqm	9.72		
	Concealed stop cock 15mm	Each	24.00		
37	Fixing Wash Down Water Closet (Indian type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification.	Each	7.00		
38	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	7.00		
39	Providing and fixing White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require.	Each	6.00		

40	Providing and Fixing of following type signage with required letters to be approved by the Architect/ EIC. Samples have to be approved by the concerned before execution. The rate is inclusive of the WPC board, vinyl on acrylic paint, 3D letter with duco paint, led light, ACP with MS Frame etc all complete. Including cost of all labour, material, loading and unloading, sundries, T&P all complete as per the direction of Engineer-in-charge.				
a)	3D Letter Signage	Sqm	2.70		
41	Providing Display board of size 1800mm X 1500mm made out of 2 mm thick MS sheet, Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The MS sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 4 m long welded to the frame with adequate anti-theft arrangement. Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and back side of MS sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per the direction of Engineer-in-charge. Rates include cost of materials, labour, conveyance, loading & unloading, taxes (excluding GST) and T&P etc. complete as per the direction of EIC.	Each	3.00		
	Total of Civil, PH, Sanitary Works (In Rs.)				
C.	Electrical Works				
1	Supply and fixing of 6 way, double door, single pole neutral, sheet steel MCB distribution board, 240 V on recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar etc as required.	Nos	3.00		
2	Supplying and fixing of following size, Single pole, 10Amp, 240 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. including all materials & labour as required as per EIC.	Nos	6.00		
3	Supplying and fixing of 40 Amp double pole, 240 V, RCCB having a sensitivity current 30mA in the existing MCB DB complete with connections, testing and commissioning etc. as required including all materials & labour as required as per EIC.	Nos	3.00		
4	Supply and installation of outdoor junction box made up of SMC/FRP materials of size minimum :200(H)X135(W)X95(D). The box is having 63A 4 way terminals for extension of connection to the stage from nearest source including all materials, labour, T&P as required as per direction of EIC.	Nos	3.00		
5	Supply, installation, testing & commissioning of wall mounting 1 x 20W LED tube light fitting including 1 no. of 20watt LED luminaires ceiling rose as per EIC of approved make including all materials & labour as required as per EIC.	Nos	22.00		
6	Supply, Testing & commissioning of IP-65 wall mounting 1 x 9W LED bulk head light fitting including 1 no. of 9watt LED luminaires as per EIC including all materials & labour as required as per EIC.	Nos	8.00		
7	Supply, installation, testing & commissioning of decorative angle / Batten Holder fitting complete with 1 no of 9/10 watt LED Lamp(White) as per EIC of approved make including all materials & labour, as required as per EIC.	Nos	16.00		

8	Supply, Testing & commissioning of Surface mounting 1 x 24W LED surface mounted circular down light fitting with powder coated polycarbonate housing including 24 watt LED luminaires as per EIC of approved make including all materials & labour ,taxes (excluding GST) as required as per EIC.	Nos	30.00		
9	Supply, Testing, and commissioning of Exhaust fan 250 mm dia suitable to work on 230/250 volts, 50HZ complete with mounting frame including making the hole to suit the size of above fan, making good the damage, connections, with 1.5 sq.mm PVC insulated, copper conductor, single core cable including all materials & labour as required as per EIC.	Nos	9.00		
10	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, remote unit for speed control , suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Nos	18.00		
11	Wiring for light point/fan point/exhaust fan point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit with modular switch, modular plate, suitable G.I box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group A	Point	35.00		
b	Group B	Point	28.00		
c	Group C	Point	28.00		
12	Wiring for group controlled (looped) light point (without independent switch etc.) with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required.				
a	Group A	Point	28.00		
b	Group B	Point	28.00		
13	Wiring for circuit/submain wiring along with earth wire with the following size of FRLS PVC insulated copper conductor, single core cable in surface/ recessed including medium class PVC conduit as required.				
a	2 x 4 sq mm+ 1x 4 sq mm earth wire (For Main ckt wiring)	Mtr	420.00		
b	2 x 2.5 sq mm+ 1x 2.5 sq mm earth wire (From main ckt to all switch board)	Mtr	650.00		
14	Supplying and fixing of suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Nos	38.00		
15	Supplying and fixing of suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Nos	35.00		
16	Supply of 3 core 6 sqmm PVC insulated PVC sheathed Aluminium armour cable of 1.1 kV grade conforming to IS 1554. Including all materials, labour, T&P as required as per direction of EIC.	Mtr	140.00		

17	Laying of 3C X 6 SQ MM MM PVC/XLPE insulated PVC sheathed Aluminium armoured power cable of 1.1 KV grade Including all materials, labour, T&P, taxes (excluding GST) as required as per direction of EIC.	Mtr	140.00		
18	Earthing with G.I earth pipe 4.5 mtr long , 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required.	Set	3.00		
19	Supplying and laying of 6 SWG G.I wire at 0.50 mtr below ground level for conductor earth electrode, including connection/termination etc as required.	Mtr	80.00		
	Sub Total of Electrical (In Rs.)				
	Grand Total of Civil, P.H, Sanitary and Electrical Works Including G.S.T (In Rs.)				

Rules and Regulations of the e-Reverse Auction

Buyer's Name/Owner	Ib Thermal Power Station (A Unit of Odisha Power Generation Corporation Limited)
Auction To Be Conducted By	MSTC Limited
Name of the work	Construction of Football Stadium at Dhumabata, Patnagarh, Balangir, Odisha under CSR
Date & Time Of Auction	Auction Date: [To be intimated later] Online e-Reverse Auction Time: [To be intimated later] URL: www.mstcecommerce.com/eprochome/opgc
Special Instructions	Bidding in the last minutes and seconds should be avoided in the bidders own interest. Neither the Service Provider nor OPGC will be responsible for any lapses /failure on the part of the vendor, in such cases.
Auto Extension of Closing Time	5 minutes NB: If any bidder quotes 5 minutes before closing time, the closing time will be extended automatically for another 05 minutes and so on till 05 minutes idle time between the bids.
Decremental Value	Minimum decrement will be intimated before E-RA
Start Price	The start bid price as decided by OPGC tender committee shall be displayed at MSTC Limited auction platform during start of the e-RA.

- The financial bid process will comprise of two rounds. In the first round, the IPO of the techno-commercially qualified bidders will be opened & ranked on the basis of ascending order for determination of qualified bidders. Best five (L-1 to L-5) bidders would be qualified bidders for E-RA and such qualified bidders shall be eligible to participate in the E-RA and submit their FPO with respect to the bid.
- In case of tie for L5 bid, all the bidders offering L5 will be allowed for e-RA.
- Bidders must be a registered user to bid for Buyer ("OPGC") in MSTC portal www.mstcecommerce.com/eprochome/opgc. Bidders need to have their Login ID and Password prior to e-Reverse Auction.
- Bidders have to participate as per the e-Reverse Auction time and date communicated to them & based upon e-Reverse Auction invitation for particular Auction.
- Quotation once submitted through e-Reverse Auction cannot be withdrawn /deleted. Otherwise, the EMD submitted by the bidder shall stand forfeited.
- Buyer reserves the right to ban the bidder from participating in e-Reverse Auction without any explanation/reason at any stage of e-Reverse Auction.
- Buyer reserves the rights to extend / cancel the e-Reverse Auction.
- E-Reverse Auction shall be conducted in Indian Rupees only.
- All prices submitted by Bidder in e-Reverse Auction shall be as per Tender's Terms & Conditions.
- Validity of bids: As mentioned in Tender Document.
- Written Confirmation shall be taken in advance regarding participation in the e-Reverse Auction to buyer along with the Authorized person name and details.
- Buyer reserves the right to award the Purchase Order / Service Order as per buyer's discretion irrespective of Live Auction Rank.
- Buyer reserves the right to repeat the e-Reverse Auction of same package.

- 14. After completion of e-Reverse Auction, the lowest evaluated bid of all the bids submitted in manual and e-Reverse Auction process shall be considered for award of the Purchase order / Work order.**
- 15. The bidders shall quote from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.**
- 16. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, OPGC at its own discretion shall debar the bidder from the e-Reverse Auction/Tender and future participation also.**
- 17. OPGC reserves the right to cancel the e-Reverse Auction process/ tender at any time, before ordering, without assigning any reason and may go for manual opening of price bids as per standard practice.**
- 18. OPGC shall not be liable for any interruption or delay in accessing the MSTC portal irrespective of any cause. In such cases, the decision of OPGC shall be binding on the bidders.**
- 19. Other terms and conditions shall be as per NIT, bidder's techno-commercial Bid and other latest correspondences/ final confirmations, (if any) against the NIT.**
- 20. If any item is not quoted by a bidder, the maximum price quoted by the other participated bidders for that item shall be considered for arriving evaluated price of that bidder.**
- 21. The total L1 Price obtained through e-Reverse Auction shall be proportionately distributed among each line item in line with the price quoted and evaluated in the hard copy price bid.**
- 22. The price quoted in e-Reverse Auction is the total price for all the items and quantity as per Price Schedule of NIT irrespective of any omission by the bidder in the hard copy price bid.**
- 23. In case, the L1 Bidder in e-Reverse Auction and manual Tender happens to be the same bidder, then minimum price among both shall be considered as L1. If the bidder disagrees to accept the said condition, then his EMD shall be forfeited. Apart from this the bidder will be debarred from participating in future e-Reverse Auction/Tender of OPGC.**
- 24. Each Bidder shall get the final loading factor (%age of the quoted price) from OPGC before e-Reverse Auction for the deviations, if any, taken by them in the techno-commercial bid.**
- 25. The Price quoted in the e-Reverse Auction shall be inclusive of all applicable taxes, duties and levies, deviations considering the loading factor (got from OPGC/Tender Condition as mentioned in above clause) on his quoted price. However, the GST shall be paid extra as applicable and not included in the loading factor as well as total price.**

UNDERTAKING

I hereby undertake that I agree to the **"Rules and Regulations of the e-Reverse Auction"** mentioned herein.

Signature:

Name:

Date:

Company Name:

Seal: