BID DOCUMENT

Name of the work: - " Construction of 02 Additional classrooms and girls toilet at Govt. Higher Secondary School, Pandari and Construction of Cycle Shed at Remanda High School 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 02 Additional classrooms and girls toilet at Govt. Higher Secondary School, Pandari and Construction of Cycle Shed at Remanda High School Under CSR"	As specified in MSTC.	Rs. 90,000/-, however MSME will be exempted upon production of UDYAM Certificate.

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 02 Additional classrooms and girls toilet at Govt. Higher Secondary School, Pandari and Construction of Cycle Shed at Remanda High School 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 successfully completed and/or ongoing *Similar Nature of Works during the preceding seven (07) years as on the date of Techno-Commercial Bid Opening. Credentials for successful executed the supply must be submitted along with the Bid. Relevant PO copy and Client's completion certificate, certificate for ongoing works will be considered as the credential/documentary proof. Similar works shall be considered in either of the following. a) Three completed similar works costing not less than Rs. 15.77 Lakhs. OR b) Two completed similar works costing not less than Rs. 19.71 Lakhs. OR c) Single completed similar works costing not less than Rs. 31.54 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 with the technical bid
*Similar Work	Similar works means Similar works means civil project's includes civil works involving building construction / renovation projects. Any type of industrial building with all finishing 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-2022-23, FY-2023-24 and FY-2024-25 of minimum Rs. 11.82 Lakhs (30% of the estimated cost). 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

Name of Work: Construction of Additional Class Room and Girls Toilet at Govt. Higher Secondary School Pandari.

This scope covers all civil, structural, finishing, and electrical components for the construction of a fully functional Community centre. The contractor is responsible for completing all items as per specification, drawings, and instructions of the Engineer-in-Charge.

1. Earthwork and Site Preparation

- Fine dressing of earthwork in ordinary or hard soil including cutting/filling.
- Excavation of foundation in hard/gravelly soil with dressing, levelling, and stacking.
- Filling of foundation and plinth using excavated earth and clean sand.

2. Concrete and Reinforced Cement Concrete (RCC) Works

- Laying of Plain Cement Concrete (PCC) 1:3:6 using granite metal.
- Laying of Reinforced Cement Concrete (RCC) M20 using graded granite chips.
- Bending, binding, placing of mild steel reinforcement bars for RCC works.
- Centering and shuttering for RCC works including:
    - Footing & base columns
    - Beams, columns, girders, bressmers
    - Lintels
    - Floor and roof slabs

3. Masonry Work

- Ash brick masonry in foundation, plinth, and superstructure using cement mortar (1:6).
- Ash Bricks will supply free of cost by OPGC from Ash Brick manufacturing plant. Contractor has to arrange own transport.

4. Plastering

- 12mm thick plastering with cement mortar (1:6) on walls.
- 6mm thick plastering with cement mortar (1:4) on ceiling/RCC surfaces.

5. Flooring and Wall Finishes

- Laying of vitrified floor tiles (600mm x 600mm) of approved make.
- Fixing of ceramic glazed tiles for skirting/dado (200mm to 450mm).
- Cement concrete work (1:2:4) with 12-20mm chips in ground floor.

6. Painting and Surface Finishing

- Internal wall painting with 2 coats of distemper over primer.
- External wall painting with 2 coats of weatherproof exterior emulsion over primer.

- Writing on sign boards/walls with synthetic enamel paint.

7. Structural Steel and Iron Works

- Fabrication and erection of mild steel structures (sections up to 25 kg/Sqm) for grills, sheds, doors, Includes two coats of enamel paint over red oxide primer.

8. Electrical Works

- Internal recessed wiring for:
    - Light points, fan points, call bell points
    - Power plugs and submain wiring
- Fixing of piano-type switches, sockets, MCB distribution board, and MCBs.
- RCCB installation (40A) and earthing with copper earth plate.
- Supply and fixing of Ceiling Fan, 20 W LED Tube light and 120 W LED Flood light.

SPECIAL CONDITIONS OF CONTRACT

Name of work: Construction of Additional Class Room and Girls Toilet at Govt. Higher Secondary School Pandari.

1) The period of contract is 06 (Month) months from the date of site clearance and instruction of EIC to start the job.
2) The contractor is required to mobilise his men, materials, plant and equipment at his work site within 07 days of intimation to start the work, failing which the EIC 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 besides forfeiture of the EMD converted as ISD. 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) The contractor shall disburse the wages to the workers on or before 7th day of completion of the wage period. On failure penalty @ one percent per day subject to maximum five percent of the wages of last wage period shall be imposed. It is the responsibility of the contractor to ensure presence of representative of the principal employer during disbursement of all type of payment to his workers.
4) In the event failure of contract to undertake/attend to any job specified under the scope, the Engineer-in-charge shall have the right to levy penalty equal to double the cost for that item of work and/ or recover as per terms and condition of GCC and accordingly the actual billing amount shall stand reduced to the extent of penalty cost imposed/recovered.
5) If management at any point of time feels that the agency is intentionally avoiding the work, it may engage any other agency to get the work done and deduct an amount equal to twice the amount spent to get the work done. Contractor shall have no right to dispute the agency through which work is done and the amount spent to get the work done.
6) Any defective work noticed within the defect liability period shall be rectified by the contractor immediately on receipt of information.
7) Agency has to execute the quantity of work as required however small/ large it may be.
8) Agency has to make all arrangements for safe execution of work at any elevation using steel scaffolding positively.
9) If any other item which is not mentioned in the Bill of Quantity, but is required to be executed for maintenance work, the agency will have to execute the same at the schedule of rate of Govt. of Odisha/ approved rate of OPGC.
10) The Contractor shall abide by the EHS policy and general guidelines for Environmental protection of OPGC.
11) Group Insurance Policy of the workmen engaged in the work is mandatory.

TECHNICAL SPECIFICATION

Name of work: Construction of Additional Class Room and Girls Toilet at Govt. Higher Secondary School Pandari.

1) The construction materials such as Cement, sand, chips etc., if felt necessary will be subjected to test at the cost and risk of the agency.
2) Any defective materials brought to site should be removed by the agency at the instance of department.
3) Agency has to arrange all construction materials such as Cement, Sand, Stone chips, MS reinforcement bars, etc. required for the work as per the item specifications.
4) The quantity mentioned in the schedule of quantities is purely tentative. At any point of time agency may be asked to execute any quantity of work as per the site requirement.
5) All the items mentioned in detail items of work may be executed at any location and at any height.
6) All the materials are to be approved by concerned Engineer-in-charge in written before use.
7) Contractor has to maintain safety register showing issue of PPE to each worker on day to day basis. Same may be verified by the concern EIC from time to time.
8) All work is to be carried out without causing hindrance to day to day activity of people.
9) Agency has to make his own arrangement of construction water for the works from available points only.
10) Electricity if required by the agency is to be arranged by him. Contractor has to make all necessary arrangement for safe supply of electricity.
11) Portland Cement of Ultratech, Konark, ACC make of PPC 43/53 grade confirming to corresponding IS code shall be utilized in the work before the expiry date.
12) Reinforcement steel must be of TATA/SAIL/ JINDAL make conforming to corresponding IS code.
13) Make of all sanitary fittings should be Jaquar/ Prince/ Prayag or equivalent ISI mark.
14) Construction materials such as sand, bricks, chips etc. should be stacked and kept sufficient in stock at the construction site. The area is to be fenced properly by the contractor with best housekeeping.
15) Fly ash bricks will be supplied free of cost from OPGC ash brick manufacturing plant. The contractor has to make his own arrangement for transportation of bricks to the construction site. Balance ash bricks after completion of work must have to be returned back at the ash brick plant, failing which double the prevailing cost of the fly ash brick will be deducted from party final bill.
16) Construction debris must have to be disposed to a designated place as followed by EIC. The place will be levelled and dressed time to time by the contractor in his own cost.

Construction of Additional Class Room and Girls Toilet at Govt. Higher Secondary School Pandari					
BOQ					
Sl No	**Description**	**Unit**	**Quantity**	**Rate (Rs.)**	**Amount (Rs.)**
1	Fine dressing of earth work.	Sqm	2000.00		
2	Earth work in excavation of foundation in hard/ gravel soil.	Cum	101.50		
3	Filling foundatin & plinth with excavated earth	Cum	72.42		
4	Filling foundatin & plinth with sand	Cum	20.69		
5	Providing and laying PCC (1:3:6)	Cum	28.71		
6	Providing and laying RCC (1:1.5:3)	Cum	57.93		
7	Straightening, cutting, bending, binding tying and placing of M.S. reinforcement bars (Plain or Tor) in position including all cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	Qntl	69.52		
8	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-charge. For RCC foundation & Footing base column	Sqm	46.38		
9	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-charge. For RCC Beam Column, grider and bressmer etc	Sqm	200.70		

10	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-charge. For RCC Lintels	Sqm	37.25		
11	Providing and fixing strong, rigid, smooth, levelled, and plumbed CENTERING AND SHUTTERING (Form work) including dismantling the same after the required intervals from the date of casting including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, sundries, tools and plants, etc., complete as per the direction of the Engineer-in-charge. For RCC Floor & Roof slab	Sqm	185.07		
12	Ash brick masonary work in cement mortar (1:6) in foundation and plinth for all types of works of all thickness including splays cutting, watering, curing cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.(Ash brick will be supplied from Ash brick manufacturing plant of OPGC free of cost, contractor has to arrange his own conveyance for transportatio to site)	Cum	40.60		
13	Ash brick masonary work in cement mortar (1:6) in Superstructure for all types of works of all thickness including splays cutting, watering, curing cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.(Ash brick will be supplied from Ash brick manufacturing plant of OPGC free of cost, contractor has to arrange his own conveyance for transportatio to site)	Cum	49.64		
14	Providing 12mm thick cement plaster in cement mortar (1:6) over brick masonary/ CC work finished smooth after racking out joints including all cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	555.61		
15	Providing 6mm thick cement plaster in cement mortar (1:4) over all types of ceiling plaster work, RCC surface with deep chipping and slurry treatment including all cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	176.78		

16	Providing & applying acrylic wall putty (water based) to get a smooth surface with approved brand & shade wall putty (JK White/ Birla) on old / new surface including thorough cleaning, rubbing out moss and loose scales etc and preparation of the surface area of application, including all cost, conveyance, T&P, scaffolding & labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	318.30		
17	Vitrified Floor Tiles 600 mm Size	Sqm	146.05		
18	Ceramic Floor tiles 300mm to 500mm size:	sqm	10.45		
19	Ceramic Glazed tile in Skirting/ Dado 200mm to 450mm size	sqm	28.55		
20	Supplying, Fabrication and erection of all type of Mild steel Iron work (sectional weight upto 19.8 kg/m) for all type of structures, sheds, grills, doors, fencing posts etc with approved quality (SAIL/ TISCO make) steel structural, angles, channels, plates of all sections at all levels and elevations, painting with 2 (two) coats of high gloss enamel paint over a coat of red oxide primer including all cost of materials, conveyance, taxes, labour charges, T & P, scaffoldings, sundries etc complete in all respect as per direction of Engg-In- Charge	Kg	930.00		
21	Providing and applying 02 (Two) coats of premium acrylic washable distemper paint with 7 (Seven) Years Manufacturer Warranty of approved brand and shade (Asian Paints/ Shalimar/ Dulux/ Berger) on new surface over one coat of suitable primer, including thorough cleaning, rubbing out moss, loose scales, surface preparation, scaffolding, all materials, labour, conveyance, taxes, duties, T&P, and all incidental charges complete as per specification and direction of the Engineer-in-Charge.	Sqm	443.82		
22	Providing and applying 02 (Two) coats of approved brand and shade Weather Proof Anti-Fungal Exterior Emulsion Paint with 7 (Seven) Years Manufacturer Warranty of approved quality (Asian Paints/ Shalimar/ Dulux/ Berger) on new surface over one coat of suitable exterior primer, including thorough cleaning, rubbing out moss, loose scales, surface preparation, scaffolding, all materials, labour, conveyance, royalties, taxes, duties, T&P, and all incidental charges complete as per specification and direction of the Engineer-in-Charge.	Sqm	207.39		
23	Supplying and fixing GI pipes with fittings 20mm dia nominal Bore GI pipe	rmt	10.00		

24	Supplying and fixing GI pipes with fittings 25mm dia Nominal Bore GI Pipe	rmt	15.00		
25	Cutting Hotels through Walls	Nos	2.00		
26	Supplying and fixing of Gate valve 25mm dia of (ZOLOTO Make)	Each	1.00		
27	Supplying & Fixing of EWC Pan	Each	2.00		
28	Supplying and Fixing of Flushing Cistern	Each	1.00		
29	Providing and fixing white vitreous China Counter Wash Basin	Each	2.00		
30	Providing & Fixing of Mirror	Each	2.00		
31	Supplying and fixing of J Hook	Each	4.00		
32	Supplying & Fixing of UPVC Pipes: 75mm dia	Rmt	10.00		
33	Supplying & Fixing of UPVC Pipes: 110mm dia	Rmt	20.00		
34	Supplying & Fixing of UPVC SWR Pipe Fitting: 110mm dia trap	Each	4.00		
35	Supplying & Fixing of UPVC SWR Pipe Fitting: 110mm dia plain bend	Each	4.00		
36	Supplying & Fixing of UPVC SWR Pipe Fitting: 110mm dia single door bend	Each	4.00		
37	Supplying & Fixing of UPVC SWR Pipe Fitting: CP Gratings	Each	2.00		
38	Supplying & Fixing of Pillar Cock	Each	2.00		
39	Providing & fxing Angular Stop Cock	Nos	2.00		
40	Providing and fixing of bottle trap	Nos	2.00		
41	Supplying & Fixing of 1000 litres capacity (Sintex Reno or Equivalent make)	Nos	1.00		
42	Writing on Sign Board/ walls etc of all letter & size with synthetic enamel paint base and lettering at all levels and elevation including all cost, conveyance, taxes and labour charges etc, complete as per direction of Engineer-in-charge.	Sqm	2.00		
	Electrical				
43	Recessed Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V Piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front backlite cover of suitable size, MS box with 1.5 Sqmm FR PVC insulated single core multistrand copper conductor as earth wirre including all accessories and connection as per direction of Engineer-in-charge. (Make of wire Finolex/ L&T/ Anchor/ Havels/ V Guard) **(Group- A)**	Point	22.00		

44	Recessed Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V Piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front backlite cover of suitable size, MS box with 1.5 Sqmm FR PVC insulated single core multistrand copper conductor as earth wirre including all accessories and connection as per direction of Engineer-in-charge. (Make of wire Finolex/ L&T/ Anchor/ Havels/ V Guard) **(Group- B)**	Point	15.00		
45	Recessed Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metalic PVC flexible conduit with 5 Amp, 250 V Piano type switch ISI marked and ceiling rose ISI marked mounted on MS box having front backlite cover of suitable size, MS box with 1.5 Sqmm FR PVC insulated single core multistrand copper conductor as earth wirre including all accessories and connection as per direction of Engineer-in-charge. (Make of wire Finolex/ L&T/ Anchor/ Havels/ V Guard) **(Group- C)**	Point	17.00		
46	Recessed Wiring for light/ power plug with 2x2.5 Sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non metalic heavy duty flexible conduit along with 1x1.5 Sqmm FR PVC insulated single core multistrand copper conductor for loop earthing as required. (Make of wire- Finolex/ L&T/ Anchor/ Havels/ V Guards). **2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire (DSR-1.14.2)**	Mtr	140.00		
47	Recessed Wiring to submain in 2x6 Sqmm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS694/1990 in 25mm dia non metalic heavy duty flexible conduit 1.6mm thick along with 1x2.5 Sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required. (Make of wire- Finolex/ L&T/ Anchor/ Havels/ V Guards). **2 X 6 sq. mm + 1 X 6 sq. mm earth wire (DSR-1.14.4)**	Mtr	45.00		
48	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required**. A) 5/6 amps switch**	EA	40.00		

49	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required.	EA	4.00		
50	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (6Way Double Door)	EA	1.00		
51	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Single Pole 10Amp)	EA	4.00		
52	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. (40 Amp)	EA	1.00		
53	Earthing with copper earth plate 600 mm X 600 mm X 3.15 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	EA	1.00		
54	Supplying of approved quality of Ceiling Fan & Regulator, 230 VAC,1200mm including all cost, conveyance taxes and labour charges etc. complete as per direction of Engineer-in-charge.	EA	10.00		
55	Supplying of 20W LED Tube light retrofit 4 feet including all cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	EA	15.00		
56	Supplying of 120W LED Flood light fitting including all cost, conveyance, taxes and labour charges etc. complete as per direction of Engineer-in-charge.	EA	1.00		
				Sub Total	**-**
				GST @ 18 % on Bill Value	**-**
				Total Net Value Including GST	**-**

Scope of Work

Name of Work: Construction of Cycle Shed at Remenda High School.

This scope covers all civil, structural, finishing, and electrical components for the construction of a fully functional Parking shed. The contractor is responsible for completing all items as per specification, drawings, and instructions of the Engineer-in-Charge.

1. Earthwork and Site Preparation

- Fine dressing of earthwork in ordinary or hard soil including cutting/filling.
- Excavation of foundation in hard/gravelly soil with dressing, leveling, and stacking.
- Filling of foundation and plinth using excavated earth and clean sand.

2. Concrete and Reinforced Cement Concrete (RCC) Works

- Laying of Plain Cement Concrete (PCC) 1:3:6 using granite metal.
- Laying of Reinforced Cement Concrete (RCC) M20 using graded granite chips.
- Bending, binding, placing of mild steel reinforcement bars for RCC works.
- Centering and shuttering for RCC works including:
    - Footing & base columns
    - Beams, columns, girders, bressmers
    - Lintels
    - Floor and roof slabs

3. Masonry Work

- Ash brick masonry in foundation, plinth, and superstructure using cement mortar (1:6).
- Ash Bricks will supply free of cost by OPGC from Ash Brick manufacturing plant. Contractor has to arranges own transport.

4. Plastering

- 12mm thick plastering with cement mortar (1:6) on walls.
- 6mm thick plastering with cement mortar (1:4) on ceiling/RCC surfaces.

5. Painting and Surface Finishing

- Internal wall painting with 2 coats of distemper over primer.
- External wall painting with 2 coats of weatherproof exterior emulsion over primer.
- Writing on sign boards/walls with synthetic enamel paint.

6. Structural Steel and Iron Works

- Fabrication and erection of mild steel structures (sections up to 25 kg/Sqm) for grills, sheds, doors, Includes two coats of enamel paint over red oxide primer.

7. Interlocking Paver Block Works

Supplying and fixing of 60mm thick factory made interlocking paver block.

SPECIAL CONDITIONS OF CONTRACT

Name of work: Construction of Cycle Shed at Remenda High School

1) The period of contract is 04 (Four) months from the date of site clearance and instruction of EIC to start the job.
2) The contractor is required to mobilise his men, materials, plant and equipment at his work site within 07 days of intimation to start the work, failing which the EIC 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 besides forfeiture of the EMD converted as ISD. 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) The contractor shall disburse the wages to the workers on or before 7th day of completion of the wage period. On failure penalty @ one percent per day subject to maximum five percent of the wages of last wage period shall be imposed. It is the responsibility of the contractor to ensure presence of representative of the principal employer during disbursement of all type of payment to his workers.
4) In the event failure of contract to undertake/attend to any job specified under the scope, the Engineer-in-charge shall have the right to levy penalty equal to double the cost for that item of work and/ or recover as per terms and condition of GCC and accordingly the actual billing amount shall stand reduced to the extent of penalty cost imposed/recovered.
5) If management at any point of time feels that the agency is intentionally avoiding the work, it may engage any other agency to get the work done and deduct an amount equal to twice the amount spent to get the work done. Contractor shall have no right to dispute the agency through which work is done and the amount spent to get the work done.
6) Any defective work noticed within the defect liability period shall be rectified by the contractor immediately on receipt of information.
7) Agency has to execute the quantity of work as required however small/ large it may be.
8) Agency has to make all arrangements for safe execution of work at any elevation using steel scaffolding positively.
9) If any other item which is not mentioned in the Bill of Quantity, but is required to be executed for maintenance work, the agency will have to execute the same at the schedule of rate of Govt. of Odisha/ approved rate of OPGC.
10) The Contractor shall abide by the EHS policy and general guidelines for Environmental protection of OPGC.
11) Group Insurance Policy of the workmen engaged in the work is mandatory.

TECHNICAL SPECIFICATION

Name of work: : Construction of Cycle Shed at Remenda High School.

1) The construction materials such as Cement, sand, chips etc., if felt necessary will be subjected to test at the cost and risk of the agency.
2) Any defective materials brought to site should be removed by the agency at the instance of department.
3) Agency has to arrange all construction materials such as Cement, Sand, Stone chips, MS reinforcement bars, etc. required for the work as per the item specifications.
4) The quantity mentioned in the schedule of quantities is purely tentative. At any point of time agency may be asked to execute any quantity of work as per the site requirement.
5) All the items mentioned in detail items of work may be executed at any location and at any height.
6) All the materials are to be approved by concerned Engineer-in-charge in written before use.
7) Contractor has to maintain safety register showing issue of PPE to each worker on day to day basis. Same may be verified by the concern EIC from time to time.
8) All work is to be carried out without causing hindrance to day to day activity of people.
9) Agency has to make his own arrangement of construction water for the works from available points only.

10) Electricity if required by the agency is to be arranged by him. Contractor has to make all necessary arrangement for safe supply of electricity.
11) Portland Cement of Ultratech, Konark, ACC make of PPC 43/53 grade confirming to corresponding IS code shall be utilized in the work before the expiry date.
12) Reinforcement steel must be of TATA/SAIL/ JINDAL make conforming to corresponding IS code.
13) Make of all sanitary fittings should be Jaquar/ Prince/ Prayag or equivalent ISI mark.
14) Construction materials such as sand, bricks, chips etc. should be stacked and kept sufficient in stock at the construction site. The area is to be fenced properly by the contractor with best housekeeping.
15) Fly ash bricks will be supplied free of cost from OPGC ash brick manufacturing plant. The contractor has to make his own arrangement for transportation of bricks to the construction site. Balance ash bricks after completion of work must have to be returned back at the ash brick plant, failing which double the prevailing cost of the fly ash brick will be deducted from party final bill.
16) Construction debris must have to be disposed to a designated place as followed by EIC. The place will be levelled and dressed time to time by the contractor in his own cost.

BILL OF QUANTITY					
Name of work- Construction of Bicycle stand for Remenda High School					
Sl No	**Description**	**Unit**	**Quantity**	**Rate**	**Amount**
1	**Clearing and Grubbing**				
	Clearing and grubbing for service road including rank vegetation,grass,bushes,shrubs,saplings and trees grith up to 300mm all cost,conveyance,T&P and duties of all materials and labour charges etc.complete as per direction of Engineer-in-charge.	Sqm	210.00		
2	**Excavation of Soil**				
	Earth work in ordinary soil within 50m initial lead and 1.50m.initial lift including dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 03m depth and as per direction of the Engineer-in-charge.	cum	3.24		
3	**Sand Filling**				
	Supplying and filling of sand in foundation and plinth,watering and ramming including all cost,conveyance,T&P,taxes & duties of all materials and labour charges etc.complete as per direction of Engineer-in-charge.	cum	0.243		
4	**Cement Concrete C.C(1:1.5:3)**				
	Providing and laying of Cement Concrete (C.C) (1:1.5:3) of M20 Grade using 12.5mm and 20mm hard broken chips,cement,sand including watering ,curing, cost, conveyance , royalties of all materials required for the work and provide thermocol sheet of 12mm thick at every 5.00 mtr interval of construction joint etc. Complete as per direction of Engineer-in-charge.	Cum	3.08		
5	**Iron and Structural Work**				

	Iron work wrought and put up in trusses and record racks including all cost, conveyance, T & P, taxes of all materials, scaffolding & labour charges including two coats high gloss enamel paint over a coat of primer etc. complete as per direction of Engineer-in-charge.	Kg	1,077.495		
6	**Supply and Fixing of colour coated trapezoidal sheets**				
	Supply of colour coated trapezoidal sheets with plastic coated including all cost, conveyance, taxes and labour charges etc. complete including cost of MS screw 50x8mm (ISI) etc. complete as per direction of Engineer-in-charge.	Sqm	152.00		
7	**Interlocking Paver Block of 60mm Thick**				
	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 filling the joints with fine sand etc. including all cost of labour, material, conveyance, royalities, loading, unloading, T&P etc. all complete as per the direction of EIC.	Sqm	140.00		
8	**Moorum Filling**				
	Supplying and Labour for spreading moorum and consolidation with HRR including watering with cost and conveyance of moorum.	Cum	20.00		
9	**Branding**				
	Writing on wall with any letter size with enamel paint including painting of base including cost, conveyance, taxes of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	2.00		
10	**Cement concrete(1:3:6)**				
	Cement concrete(1:3:6) using 12 mm graded hard granite crusher broken chips including all cost, laying of concrete watering, curing, conveyance, T & P, royalties, taxes of all materials required for the work , Scaffolding & labour charges etc complete as per the direction of Engineer-in-charge	Cum	4.61		

11	**Ash brick masonry in cement mortar (1:6)**				
	Ash brick masonry in cement mortar (1:6) in foundation and plinth for all type of works of all thickness including all cost, splays, cutting, watering, curing, conveyance, T&P, scaffoldings, royalties, taxes and duties of all materials and labour charges etc complete as per direction of Engineer-in-Charge (Ash Brick will be supplied from Ash brick plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to site)	Cum	8.10		
12	**12 mm thick cement plaster in cement mortar (1:6)**				
	Providing 12 mm thick cement plaster in cement mortar (1:6) over masonry / CC work , finished smooth, after raking out joints including all cost, watering, curing, conveyance, T&P, royalties, taxes, of all materials, scaffolding and labour charges etc complete as per the direction of Engineer-in-Charge.	Sqm	35.20		
	Total Amount Including GST				

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 02 Additional classrooms and girls toilet at Govt. Higher Secondary School, Pandari and Construction of Cycle Shed at Remanda High School 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.

1. 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.
2. In case of tie for L5 bid, all the bidders offering L5 will be allowed for e-RA.
3. 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.
4. 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.
5. Quotation once submitted through e-Reverse Auction cannot be withdrawn /deleted. Otherwise, the EMD submitted by the bidder shall stand forfeited.
6. 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.
7. Buyer reserves the rights to extend / cancel the e-Reverse Auction.
8. E-Reverse Auction shall be conducted in Indian Rupees only.
9. All prices submitted by Bidder in e-Reverse Auction shall be as per Tender's Terms & Conditions.
10. Validity of bids: As mentioned in Tender Document.
11. Written Confirmation shall be taken in advance regarding participation in the e-Reverse Auction to buyer along with the Authorized person name and details.

12. Buyer reserves the right to award the Purchase Order / Service Order as per buyer's discretion irrespective of Live Auction Rank.
13. 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:**

Signature Not Verified
Digitally signed by MANOJ KUMAR PRADHAN
Date: 2026.11.07 12:21:37 IST
Reason: Secure Document
Location: India