



**ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡି.
ODISHA POWER TRANSMISSION CORPORATION LTD.**

(A Government of Odisha Undertaking)

CIN – U40102OR2004SGC007553

**REGD. OFFICE: JANPATH, BHUBANESWAR – 751022,
OFFICE OF THE DEPUTY GENERAL MANAGER (ELECT.)**

EHT (O&M) DIVISION, DHENKANAL

At/Po- Gundichapada, PIN-759025, Dhenkanal (Odisha)

CIN: U4102OR2004SGC007553

/ GSTN: 21AAACO7873L1Z6

Email: ehtm.div.dkl@optcl.co.in

**TENDER SPECIFICATION
NO.04/2023-2024**

FOR

**“Construction and Renovation of 33kV Switchyard Fencing & Switchyard
Gate of 132/33kV Grid sub-station Dhenkanal, under EHT (O&M)
Division Dhenkanal”**

Start Date Sale of Tender Specification:- DT. 02-11-2023 (09:00 Hr)

Last Date Sale of Tender Specification:- DT. 14-11-2023 (11:30 Hr)

Last Date of Submission of Tender:- DT. 14-11-2023 (Up to 13:30 Hr)

Date of Opening of Tender:- DT. 14-11-2023 (at 15.00 Hr)

Cost of Tender Paper:- Rs. 2000.00+18%GST extra= Rs. 2360.00

Estimated Cost: Rs. 4,85,268.00 (including GST @18%)

EMD: Rs. 5000.00

ISSUED TO:

M/S.....

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TENDER SPECIFICATION FOR TENDER CALL
NOTICE No. -04/2023-24
of EHT (O&M), DIVISION, DHENKANAL
INDEX

1.	SECTION – I	Instruction to Bidders
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	ANNEXURE – I	Schedule of Price
	ANNEXURE – II	Technical Specification & Design
	ANNEXURE – III	Detail Data Sheet
5.	COST OF TENDER PAPER (Non-refundable)	Rs. 2000/- + 18%GST=Rs.2360/- (Rupees Two thousand three hundred sixty) only by Cash/ Bank Draft drawn in favour of Deputy General Manager, EHT(O&M) Division, Dhenkanal, payable at SBI, Govindpur Branch, Dhenkanal, Odisha.
6.	SALE OF TENDER PAPER	From 02.11.2023 (09:00Hr) to Dt. 14.11.2023 (11:30Hr.) . Available in the office of the Deputy General Manager (Ele.), EHT (O&M) Division, OPTCL, Dhenkanal.
7.	LAST DATE OF RECEIVING OF TENDER PAPER	Dt.14.11.2023 up to 13.30 Hr.
8.	DATE & TIME OF OPENING OF TENDER	Dt. 14.11.2023 at 15.00 Hr.
Tender posted by the registered post should be reached at:		Odisha Power Transmission Corporation Ltd., Office of the Deputy General Manager, EHT (O&M) Division, Dhenkanal, At/Po- Gundichapada, Dhenkanal-759025, Odisha

INSTRUCTION TO BIDDERS

The Bidders must read in detail the “Instruction to Bidders” and “General terms and conditions” before filling the tender documents.

1. TENDERS:

- A) Bidders must submit their bids with original signature. Only those who have purchased the Tender specification from this office can submit their Tender. Tenders submitted by other will be rejected.
- B) Tender must be submitted in sealed cover superscribed as “**Tender call Notice No. 04/2023-24: “Construction and Renovation of 33kV Switchyard Fencing & Switchyard Gate of 132/33kV Grid sub-station Dhenkanal, under EHT (O&M) Division Dhenkanal”** on or before **dt.14.11.2023 (13.30Hrs)** & opening at **15:00Hr** on same day and addressed to the **Deputy General Manager, EHT (O&M) Division, Dhenkanal.**
- C) Tender shall be submitted either in person or by registered post & any other means of delivery shall not be accepted. Detailed postal address with PIN No., Phone / Fax/Email of bidder must be mentioned in the application requesting for tender document and on the tender bid. The authority is not responsible for receipt of tender after due date due to postal delay or any other reasons. The tender should be posted by the registry post to reach at **Odisha Power Transmission Corporation Ltd., Office of the Deputy General Manager, EHT (O&M) Division, Dhenkanal, At/Po- Gundichapada, Dhenkanal, Odisha-759025.** Tenders received after due date due to postal delay or any other reason will not be considered. The tenderer who wants to receive the tender paper by post have to deposit additional Rs 100.00 along with the tender paper cost.

2. (i) Bid Documents:-

- (a) **Tender Papers-01 Set (all pages signed by bidder)**
- (b) **Money receipt of Tender paper Purchased (original & a Photocopy)**
- (c) **Self attested Photocopy of PAN-01no**
- (d) **Self attested Photocopy of GST Registration Certificate- 01no**
- (e) **Valid “C or D” class civil license.**

Bid Documents are compulsory otherwise bid will be treated as cancelled.

- (ii) **Experience:** - The bidders may submit a copy of past experience if any similar nature of work in GRIDCO/ OPTCL or any other state or central PSUs/Govt.

4. INFORMATION ON COMPETITORS:

Bidders have right to know information on competitors only at the time of opening of the bids. No further information on competitors shall be provided at any other point / stage of the tender without prejudice to Right to Information Act – 2005.

5. OPENING OF TENDERS:

A. Copy of PAN card/ GSTIN/ GST certificate & valid civil license & labor contract license must be enclosed with the tender bids.

B. Bidders themselves or their authorized representatives (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.

6. RIGHT TO REJECT /ACCEPT ANY TENDER:

The authority reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the department. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The authority has exclusive right to alter the order at the time of placing final work order. It may be clearly understood by the Tenderer that the authority need not assign any reason for any of the above action[s].

7. EVALUATION OF PRICE BIDS:

Order on the firm will be placed on the basis of L1 evaluated price of the techno-commercial qualified bidders. However OPTCL reserves the right to split up the orders among bidders on individual merits of the bidders, if the situation so warrants, in the interest of OPTCL. All the bidders may be required to explain / justify the basis of their quoted rates as and when asked for. In case, any bidder fails to justify his quoted rates or refuses to co-operate in this regard, they will not be considered for participating in the tendering process and will not be allowed to participate in any future tender for a period of (3) three years.

8. Tender should be prepared clearly and without any overwriting and corrections. Erasures and other changes shall bear the dated initial of the person signing the Tender.

9. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the authority shall be final and binding on the tenderer. For evaluation, the price mentioned in words shall be taken if there is any difference in figure and word in the price bid.

Lifeline of Odisha

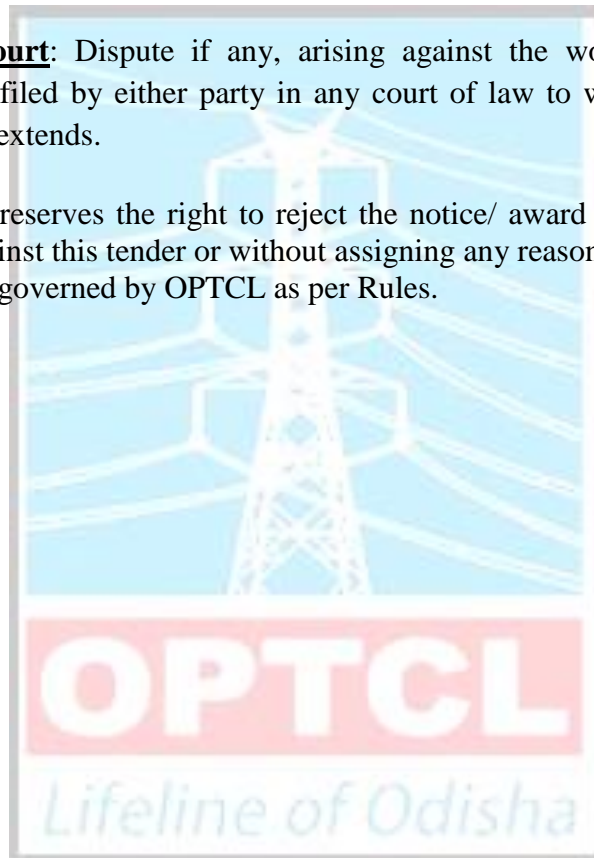
GENERAL TERMS AND CONDITIONS

1. **Validity:** Tenderers are requested to keep the validity of their offer for a period of 03 months from the date of opening of tender.
2. **Price:** The bidders are advised to quote their rate as per the price schedule in **Annexure-I, Section IV**. The unit rate and the total amount should be entered in figures and words. Any correction should be attested under the seal of the Firm/ Contractor. In case of any difference between figure and words in the price schedule the price mentioned in words should be taken into consideration for evaluation.
3. **Taxes:** Taxes, if any shall be mentioned extra.
4. **Terms of Payment:** 100% payment with taxes etc shall be made after completion of work and due verification thereof by the consignee and approval of Guarantee Certificate from the competent authority. The bills in triplicate should be submitted to the paying officer along with completion report duly verified by the concerned inspecting officer.
5. **Completion of Work:** The work should be completed within 60 days from the date of order. If the work could not be completed within scheduled date due to any valid reason, then completion period may be extended on written request by the Bidder. If the work will not commence & complete within the stipulated period, then the penalty should be imposed as per clause No.06 of SECTION-II. order shall be liable for cancellation with forfeiture of Earnest money/ Security Deposit.
6. **Penalty:** Penalty @ ½ % half per cent) per week up to a maximum of 5% of the total value of the work order will be imposed and recovered from dues admissible if the work is not completed within the scheduled period.
7. **Extension of time:** If the work is delayed due to reason beyond the control of agency, the agency shall without delay give justification. The authority on receipt of such notice may agree to extend the contract due date if reasonable but without prejudice to other terms and conditions of this contract.
8. **Security Deposit:** The tenderers whose offer qualifies for acceptance will be awarded Work Order and the contractor shall have to deposit Security-cum-performance guarantee equal to 10% (Ten percent) of contract value in shape of Bank Draft in favour of **Deputy General Manager, EHT (O&M) Division, Dhenkanal, payable at SBI, Govindpur Branch. If the security deposit is not submitted, 10% of the contract value will be deducted from the bill.** The Security deposit will be released after two months of completion of the guarantee period subject to fulfillment of guarantee stated under clause-10 on a receipt of application for this purpose. No interest shall be paid to the agency towards the security deposit so deposited by the agency. **If Security Deposit not claimed for refund within a period of three years after completion of work, it will be forfeited.**
9. **Guarantee:** The work covered under this contract should be guaranteed for satisfactory operation against defects a period of 12 months from the date of completion of work. In case of any defects noticed during this period, the same shall be replaced / rectified by the contractor free of cost provided such defects are due to fault design / bad workmanship or bad

materials used upon written notice from the engineer-in-charge. The replaced material/rectified work should also have similar guarantee. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval. In the event of any breach on default in all or any condition of order, Security Deposit will be forfeited.

10. **Workmen's Compensation:** The contractor shall be fully responsible for paying compensation, if any under the workmen compensation act on account of workmen deployed by him. The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof. All other terms and conditions will be governed by OPTCL as per Rules.
11. **Consignee:** -The **SDO, 132/33KV Grid S/S Dhenkanal** is the consignee & verifying officer for the work.
12. **Paying Officer:** The **DGM, EHT (O&M) Division, Dhenkanal** is the paying officer for this contract.
13. **Jurisdiction of Court:** Dispute if any, arising against the work order issued to the contractor shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.

The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender or without assigning any reason thereof. All other terms and conditions will be governed by OPTCL as per Rules.



SECTION - III

A. TECHNICAL SPECIFICATIONS

The Scope of work: - The scope of works must covers the followings & as per Drawing.

Sl.No	Description of Item	Unit	Quantity
1	Earthwork in excavation of foundation including dressing and levelling the bed and depositing the soil within initial lead and lift in all kinds of soil etc.	Cum	11.278
2	Filling foundation and plinth with sand well watered and rammed etc.	Cum	0.796
3	Cement concrete (1:4:8) using 40 mm size CBHG metal in foundation and floor etc., watering and curring etc. complete.	Cum	1.018
4	RCC work of M-20 grade with 20 mm and down grade black CBHG chips including hoisting and laying (Details for 15 cum)	Cum	7.329
5	centering and shuttering for RCC works including false work and dismantling of Plinth band, foundation and footing, base of column, mass concrete etc	Sqm	35.81
6	centering and shuttering for R.C.C. works including false work and dismantling of beam, column etc	Sqm	33.16
7	Fly ash brick work using fly ash brick of size 25 cm x 12 cm x 8 cm having crushing strength 75 to 99 kg/ cm ² in cement mortar (1:6) in super structure.	Cum	5.773
8	5.0 cm Damp proof coarse with C.C. (1:2:4) using 20mm size hand broken granite chips	Sqm	0.401
9	12 mm thick cement plaster (1:4) over brick work finished smooth etc.	Sqm	101.92
10	Supplying all materials, labour and T&P for Finishing wall with one coat of wall primer water bound on new work.	Sqm	247.1
11	Finishing walls with weather coat paint of approved shade on new work two coats to give an even shade including cost of cement paint.	Sqm	247.1
12	Cutting, bending and binding of M.S rods for RCC works including cost of M.S rods and binding wire etc.	Qntl	5.94
13	Dismantling brick or stone masonry in lime or cement mortar under 3 m height including stacking the useful materials for reuse and removing the debries within 50 m lead.	Cum	3.9
14	6 mm thick cement plaster (1:4) for RCC surface finished smooth including closed deep chipping and slurry treatment etc.	Sqm	19.98
15	Stainless Steel Gate of 304 Grade (5mtr x 1.6mtr).	Kg	150
16	Stainless Steel Railing of 304 grade.	mtr	32
17	PVC pipe 1/2"	mtr	12
18	Gate Lamp	No	2

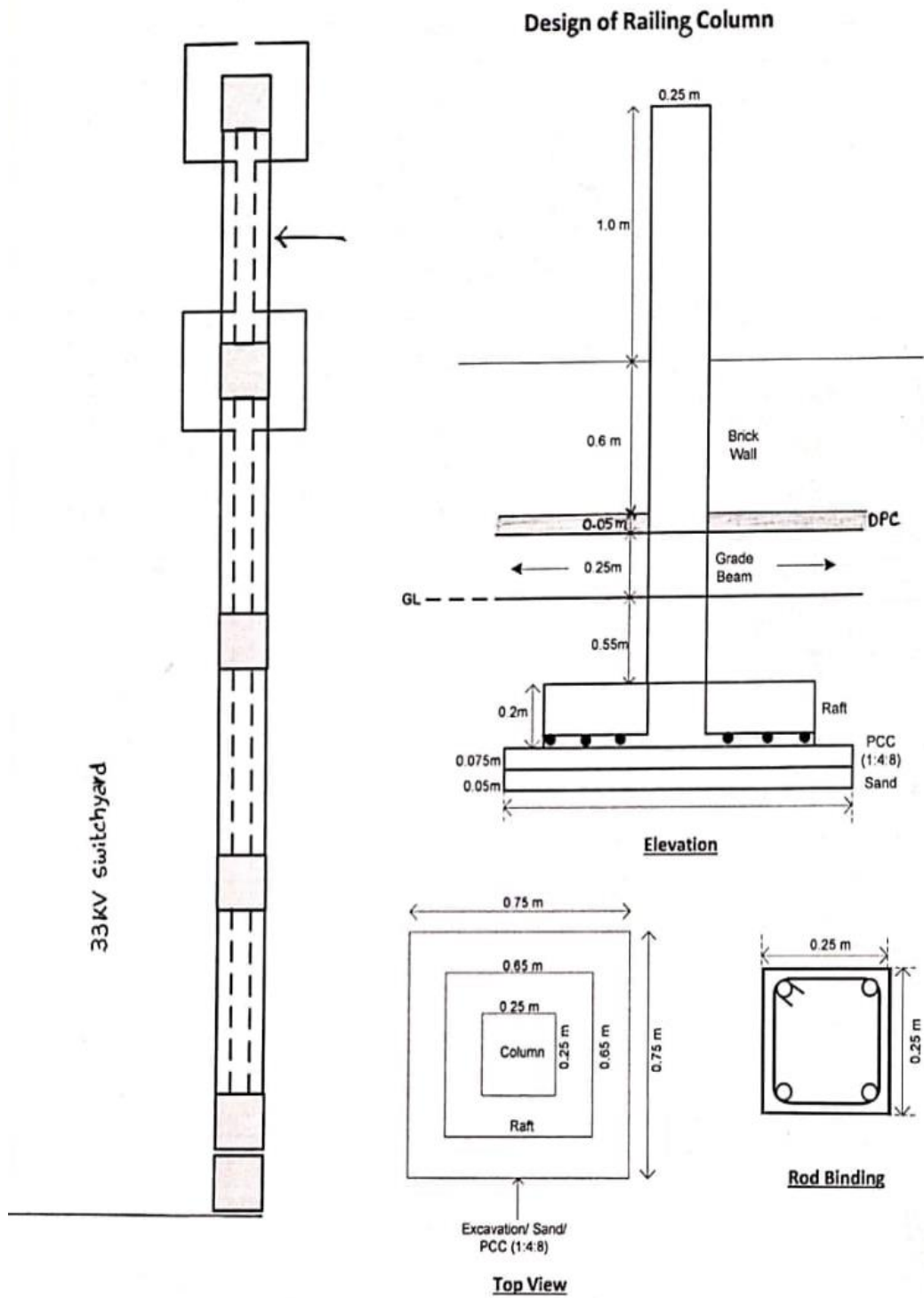
B. MEASUREMENTS

Measurement for Construction of 33kV Switchyard Safety Fence & S/Y Gate and Repair of 132kV Switchyard Fence at 132/33kV Grid S/S Dhenkanal							
(Part-A)							
Construction of 33kV Switchyard Side Fencing wall							
Sl.No	Description of Item	Unit	No	Length (m)	Breadth (m)	Height (m)	Quantity
1	Railing Column (13 Nos)						
	Excavation	Cum	13	0.75	0.75	0.875	6.398
	Sand	Cum	13	0.75	0.75	0.05	0.366
	PCC(1:4:8)	Cum	13	0.75	0.75	0.075	0.548
	RCC Raft(1:1.5:3)	Cum	13	0.65	0.65	0.200	1.099
	RCC Column up to GL (1:1.5:3)	Cum	13	0.25	0.25	0.550	0.447
	RCC Column from GB to Top (1:1.5:3)	Cum	13	0.25	0.25	1.60	1.300
	Shuttering of base column	Sqm	52	0.65	0.2		6.760
	shuttering super structure column	Sqm	52	0.25	1.9		24.700
2	Grade Beam for railing column						
	RCC-GB for railing column (1:1.5:3)	Cum	1	35.40	0.250	0.250	2.213
	Shuttering- for grade beam	Sqm	3	35.4	0.25		26.550
3	Brick Work (in super structure)						
	Partition wall	Cum	1	35.4	0.250	0.600	5.310
	Deduction for RCC pillar	Cum	13	0.25	0.250	0.600	0.488
		Cum				Total	4.823
4	5cm DPC CC (1:2:4)						
	Partition wall	Cum	1	35.40	0.250	0.050	0.4425
	Deduct for RCC pillar	Cum	13	0.25	0.250	0.050	0.0413
		Cum				Total	0.401
5	Gate Column						
a	Excavation-column	Cum	2	1.3	1.3	1.3	4.39
	Excavation- GB	Cum	1	3.7	0.35	0.375	0.49
b	Sand filling- column	Cum	2	1.3	1.3	0.1	0.34
	Sand filling-GB	Cum	1	5	0.35	0.05	0.09
c	PCC- column (1:4:8)	Cum	2	1.3	1.3	0.1	0.34
	PCC-GB (1:4:8)	Cum	1	5	0.35	0.075	0.13
d	RCC (Raft)- column	Cum	2	1.2	1.2	0.35	1.01
	RCC- column	Cum	2	0.45	0.45	2.35	0.95
	RCC- GB	Cum	1	5	0.25	0.25	0.31
e	Shuttering-pillar	Sqm	8	0.45		2.35	8.46
	Shuttering-GB	Sqm	2	5		0.25	2.5
6.a.	Plastering in bricks wall (12 mm thick cement plaster (1:4))						
	Bricks wall & grade beam	Sqm	2	35.40		0.85	60.18

b.	Plastering of RCC surface (6 mm thick cement plaster (1:4))						
	Railing column above bricks wall	Sqm	52	0.250		1.00	13.00
	Railing column top	Sqm	13	0.250	0.250		0.81
	Gate Column	Sqm	8	0.450		1.60	5.76
	Gate Column top	Sqm	2	0.450	0.450		0.41
						Total	19.98
7	Wall primer (1 coat)						
	Bricks wall & grade beam	Sqm	2	35.40		0.85	60.18
	Railing column above bricks wall	Sqm	52	0.250		1.00	13.00
	Railing column top	Sqm	13	0.250	0.250		0.81
	Gate Column	Sqm	8	0.450		1.60	5.76
	Gate Column top	Sqm	2	0.450	0.450		0.41
		Sqm				Total	80.16
8	Weather coat (2 coats)						
	Bricks wall & grade beam	Sqm	2	35.40	0.85		60.18
	Railing column above bricks wall	Sqm	13	0.250	4	1.00	13.00
	Railing column top	Sqm	13	0.250	0.250		0.81
	Gate Column	Sqm	8		0.450	1.60	5.76
	Gate Column top	Sqm	2	0.450	0.450		0.41
		Sqm				Total	80.16
9	MS rod						
a	Gate Column						
	12mm tor, 8 nos per 2 nos column	mtr	16	3			48.00
	12mm tor, 5 nos per 1no GB	mtr	5	5.5			27.50
		mtr					75.50
		Kg	@	0.89	kg/mtr		<u>67.20</u>
	10 mm tor for column raft, 16no per 2 no column	mtr	32	1			32.00
		Kg	@	0.62	kg/mtr		<u>19.84</u>
	8 mm tor, 17 Nos stirrup per 2nos column	mtr	34	1.8			61.20
	8 mm tor, 34 Nos stirrup per 1nos GB	mtr	34	1			34.00
							95.20
		Kg	@	0.39	kg/mtr		<u>37.13</u>
		Kg					124.17
	Sub- total for Gate Column	Qntl			Say		1.24
b	Railing Column & Grade Beam						
	10mm tor 4Nos per pillar (13nos pillar):	Mtr	52	2.80			145.6
	10mm tor 10Nos per pillar (13nos pillar raft):	Mtr	130	0.60			78
							223.6

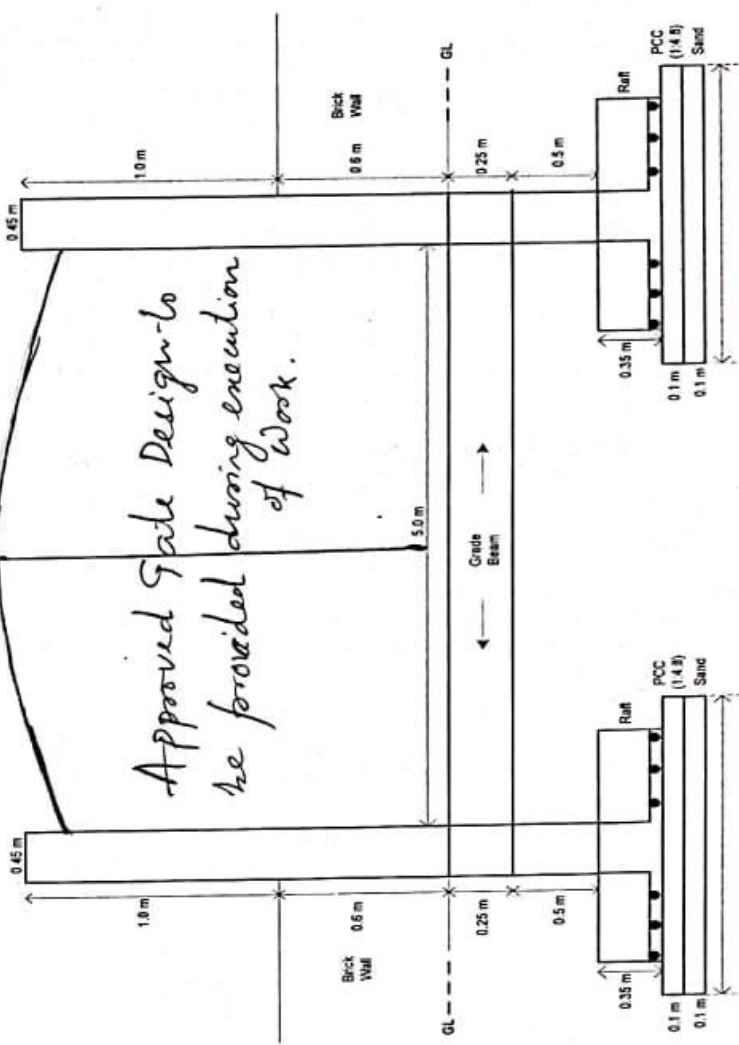
		Kg	@	0.62	kg/mtr		<u>138.63</u>
	12mm tor 5Nos run for 1no grade beam :	Mtr	5	35.40			177
		Kg	@	0.89	kg/mtr		<u>157.53</u>
	8mm tor, 16Nos ring per piller (13 pillar):	Mtr	208	1.00			208
	8mm tor, 237 Nos ring for 1no gread beam:	Mtr	237	1.00			237
		Mtr			Total		445
		Kg	@	0.39	kg/mtr		<u>173.55</u>
	Sub- total for Railing Column	Qntl			Say		4.7
10	Dismantle of laterite wall	Cum	1	13	0.3	1	3.9
11	304 grade SS Gate(5MtX1.6mt)	kg	150				
12	304 grade SS RAILING	Mtr	32				
13	PVC Pipe - 1/2"	mtr		12			
14	Gate Lamp	No	2				
(Part-B)							
Repair and painting of Existing 132kV Switchyard Side Fencing wall							
15	Plastering in bricks wall (12 mm thick cement plaster (1:4))						
	Railing column above bricks wall (4 sides per 34 nos)	Sqm	136		0.3	1.1	44.88
	Railing column top (34 nos)	Sqm	34	0.3	0.3		3.06
	Bricks wall	Sqm	2	70		0.7	98
	Brick wall top	Sqm	1	70	0.3		21
	Total area of the Existing wall	Sqm					166.94
	Damaged area for plstering @25%	Sqm					41.74
16	Wall primer (1 coat)						
	Total area of the Existing wall	Sqm					166.94
17	Weather coat (2 coats)						
	Total area of the Existing wall	Sqm					166.94
18	Brick Work (in super structure)						
	Partition wall	Cum	1	4.5	0.300	0.700	0.95

C. DRAWING

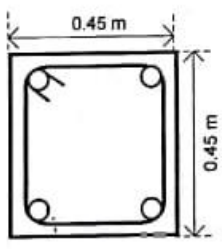


Design of Gate Column

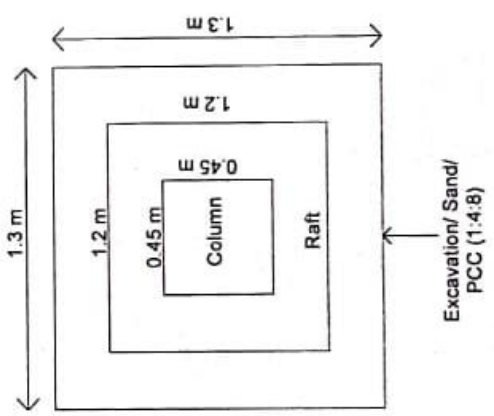
Approved Gate Design-to be provided during execution of work.



Elevation



Rod Binding



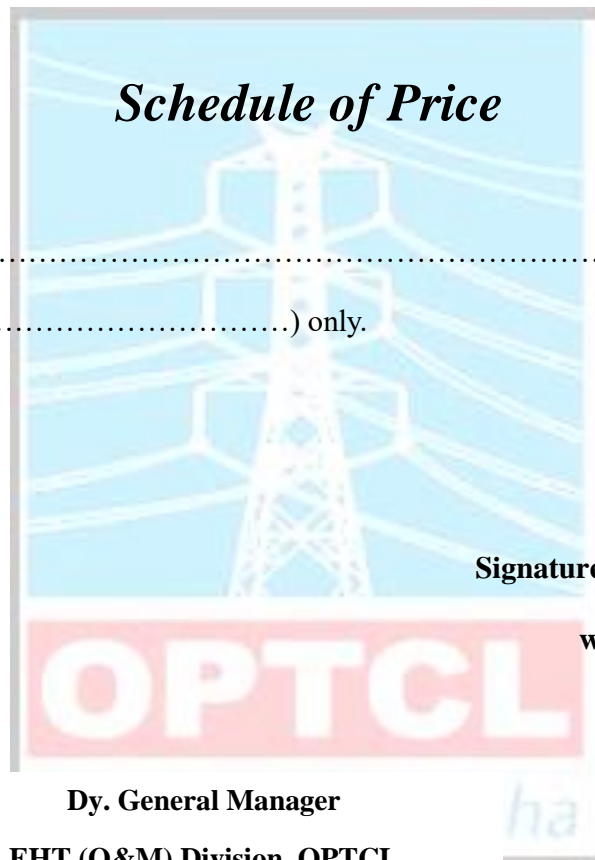
Top View

SECTION - IV
Annexure –I

SCHEDULE OF PRICE

Sl.No	Description of Item	Unit	Quantity	Unit Rate	Amount (in Rs.)
1	Earthwork in excavation of foundation including dressing and levelling the bed and depositing the soil within initial lead and lift in all kinds of soil etc.	Cum	11.278		
2	Filling foundation and plinth with sand well watered and rammed etc.	Cum	0.796		
3	Cement concrete (1:4:8) using 40 mm size CBHG metal in foundation and floor etc., watering and curring etc. complete.	Cum	1.018		
4	RCC work of M-20 grade with 20 mm and down grade black CBHG chips including hoisting and laying (Details for 15 cum)	Cum	7.329		
5	centering and shuttering for RCC works including false work and dismantling of Plinth band, foundation and footing, base of column, mass concrete etc	Sqm	35.81		
6	centering and shuttering for R.C.C. works including false work and dismantling of beam, column etc	Sqm	33.16		
7	Fly ash brick work using fly ash brick of size 25 cm x 12 cm x 8 cm having crushing strength 75 to 99 kg/ cm ² in cement mortar (1:6) in super structure.	Cum	5.773		
8	5.0 cm Damp proof coarse with C.C. (1:2:4) using 20mm size hand broken granite chips	Sqm	0.401		
9	12 mm thick cement plaster (1:4) over brick work finished smooth etc.	Sqm	101.92		
10	Supplying all materials, labour and T&P for Finishing wall with one coat of wall primer water bound on new work.	Sqm	247.1		
11	Finishing walls with weather coat paint of approved shade on new work two coats to give an even shade including cost of cement paint.	Sqm	247.1		
12	Cutting, bending and binding of M.S rods for RCC works including cost of M.S rods and binding wire etc.	Qntl	5.94		
13	Dismantling brick or stone masonry in lime or cement mortar under 3 m height including stacking the useful materials for reuse and removing the debries within 50 m lead.	Cum	3.9		
14	6 mm thick cement plaster (1:4) for RCC surface finished smooth including closed deep chipping and slurry treatment etc.	Sqm	19.98		

15	Stainless Steel Gate of 304 grade (5mtr × 1.6mtr)	Kg	150		
16	Stainless Steel Railing of 304 grade	mtr	32		
17	PVC pipe 1/2"	mtr	12		
18	Gate Lamp	No	2		
Total					
GST @18%					
Total (including GST)					
Or Say					



(Rupees.....) only.

Date

Place

Signature of the Tenderer

with seal.

**Dy. General Manager
EHT (O&M) Division, OPTCL
Dhenkanal**

**DETAILED DATA SHEET
TO BE FURNISHED BY THE TENDERERS**

1	Name of the Agency/ Contractor with detailed Postal Address:	
2	Cost Tender Paper- Rs. 2000/- + 18% GST=Rs.2360/- (Rupees Two thousand three hundred sixty) only	BD/MR No-
3	EMD-Rs.5000.00	BD/MR No-
4	Attested copy of GST Certificate furnished	GST No.....
5	Attested copy of PAN Card	PAN No.....
6	Attested copy of Valid C or D class Civil License	Yes / No
7	Agreed to furnish Contract security deposit	Yes / No
8	Agreed to accept payment terms as per the tender specification	Yes / No
9	Agreed to adhere to completion of work as per the tender specification	Yes / No
10	Agreed to accept penalty clause as per the tender	Yes / No
11	Attach past experience certificate for similar job in OSEB/ GRIDCO/ OPTCL or any other agencies	Yes / No
12	Agreed to keep validity of the offer 03 months from the date of tender opening without any variation in tender clause.	Yes / No
13	Agreed to obtain labour contract license on event of work order from the competent authority	Yes / No

Date

**Signature of the Tenderer
with seal**