

OFFICE OF MUNICIPAL CORPORATION KORBA

Notice Inviting Tender

NIT E No: 398177/2026

Korba Dated 17.09.2026

Commissioner, Municipal Corporation Korba invites online Tenders on behalf of Municipal Corporation Korba on Form "A" for respective applicable Schedule of Rates from eligible class registered contractors in "unified Registration system e-Registration" PWD Chhattisgarh on Govt. of-C.G. e-Procurement System (<http://eproc.cgstate.gov.in>)

1	System Tender No.	199561(1st Call)
2	Name of Work/Description of Work	Construction of Muktidham at Ward No. 17 Dhodhipara (Rajya Pravartit Yojana)
3	Probable Amount of contract	₹ 50.00 Lakhs
4	Earnest Money Deposit	₹ 37500.00 (In shape of FDR/TDR in favor of Commissioner, Municipal Corporation, Korba)
5	Cost of Tender form fees	₹ 1500/- (In shape of Demand Draft in favor of Commissioner, Municipal Corporation, Korba)
6	Eligible class of contractor / firm	Class- D & Above.
7	Time allowed for Completion	08 Months (Including rainy season)
8	SOR Applicable	CG SOR Building Dt. 01.01.2015 CG SOR Electrical Dt. 01.06.2020
9	Financial Capacity (as per clause 3.8.1)	₹ 7.50 Lakh valid Bank solvency certificate is to be attached along with the bid.

1. In order to participate in the tenders floated using the e-Procurement System, all contractors/bidders are required to get enrolled on the e-Procurement portal <http://eproc.cgstate.gov.in>.
2. The bids submitted online should be signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. The registered contractors may obtain information required to issuance of Digital Certificate from e-Procurement System M Junction Raipur.
3. For submitting the bids online, the contractors/bidders are required to make online payment using the electronic payments gateway service Bid Hash Submission Fee as mentioned above the different modes of electronic payments accepted on the e-Procurement System is available and can be viewed online on the e-Procurement Website (<http://eproc.cgstate.gov.in>).
4. Tender Download, Submit Bid Hash online, Submission of Bids and other Documents and other activities will be governed by the time schedules given under – key Dates. Also, Bidder has to submit all the mandatory/required documents, if the mandatory/required documents not submitted by bidder then bid will be disqualified without any further clarification & Joint Venture /Consortium is not allowed.
5. Any bidder/contractor who is debarred, blacklisted, banned or suspended by the Central Government, State Government, Public Sector Undertaking (PSU), Urban

Local Body (ULB), or any Government Department as on the last date of bid submission shall not be eligible to participate in this bid. During the evaluation stage if it comes under the notice that the bidder hides crucial information related to his eligibility than the firm is disqualified and their financial bid shall not be opened.

6. The Bidders has to submit (Upload Scan Copies/fill) his offer/credentials online as required in the tender in the online templates in relevant envelopes.
7. The Bidders may refer Help Manual available online to perform their online activity. The Commissioner, Municipal Corporation Korba (CG) reserves the right to reject any part of/whole tender without assigning any reason and to restrict the list of pre-qualified tenderer to any number deemed fit by it.
8. Before the deadline for submission of tender the Commissioner, Municipal Corporation, Korba (C.G.) may modify the tender document by issuing amendment. (Any amendment thus issued shall be part of the tender and shall be published on web site)
9. Tenderers are required to submit all documents/information with the technical tender as required in the NIT or elsewhere in the Tender Document, otherwise it shall lead to rejection of bids.
10. **As per Circular No. GENCOR-35/306/2026-UAD Date 21.05.2026 issued by the Urban Administration & Development Department, Government of Chhattisgarh, the BOQ/PAC has been prepared excluding GST, Accordingly, bidders shall quote their rates excluding GST only.** Applicable GST shall be paid separately by the Municipal Corporation, Korba, subject to submission of a valid GST Tax Invoice and compliance with the provision of the GST Act. Rules and Government instructions in force.

The aforementioned provision shall be applicable to estimates prepared on the basis of the CG PWD SOR 2026. However, in respect of estimates prepared on the basis of the CG PWD SOR 2015, the rates are inclusive of GST and all other applicable taxes. Accordingly, the bidder shall quote their rates inclusive of GST and all other applicable taxes in such cases.

11. The bidder shall quote the tender as a percentage either at par, above, or below the Schedule of Rates (SOR). Quoting item-wise rates for any SOR item shall lead to disqualification of the bid.
12. The bidders are required to submit 'Envelope "A & B" physically and online respectively as per dates Indicated in Key Dates. The Physical Envelope should contain the following: -
 - A. Envelope 'A' (Key Submission - Submit physically & online)- All the required document submission is mandatory for opening of technical bid.
 - i. The Earnest Money Deposit (EMD) in the form of FDR/TDR of a Nationalized or Scheduled bank of India in favour of the Commissioner, Municipal Corporation, Korba payable at District - Korba (CG). The Earnest Money of the successful Bidders will be retained as part of the security deposit.

- ii. Tender Document Fee (In the shape of demand draft in favour of Commissioner, Municipal Corporation, Korba)
- iii. Notarized Affidavit and Pre Contract Integrity Pact separately in Original as per prescribed format. (On ₹100/- non-judicial stamp paper each)

B. Envelope- 'B' (Technical Bid - Submit Online Only): -

- i. The bidder mandatorily submits all relevant documents that demonstrate their eligibility and qualification as per the criteria outlined in the tender document. Incomplete or missing documents will result in automatic disqualification during the technical evaluation stage.
- ii. Scanned copy of the Earnest Money, Tender Document Fee and Affidavit.
- iii. Valid Registration Certificates. CG PWD and (Partnership Deed, registration amendment certificate as the case may be)
- iv. Copy of PAN card issued by Income Tax Department.
- v. Copy of Valid GST/ CGST Registration must be valid up to Bid due date as per key dates otherwise tender will be disqualified while opening.
- vi. Valid Bank Solvency Certificate in Bank Letter Head. (Not older than 12 Months) mention the Bank Dispatch No. or Ref. No. or Verifiable unique number or Date otherwise tender will be disqualified while opening) The bank solvency shall be submitted by the contractor 15% on the cost put to tender.
- vii. If the participating bidder is partnership firm than the memorandum of partnership of the firm.
- viii. Income Tax Return acknowledgment of last three assessed financial years available as on bid due date.
- ix. Documentary proof of the engineer appointment letter with appropriate date and authentication by authorized signatory along with relevant qualification certificates as well as valid photo identity proof of appointed engineer.
- x. Registration certificate of EPF supported with Form 5A and ESIC. Last three months relevant payment receipt/challan copies of the dues subjected to the payments of EPF and ESIC is mandatorily needed to be enclosed.

Envelope- "C" - (Financial Bid - Submit Only Online)

If the bidder quotes his rates in physical submissions than it will lead to disqualification during evaluation of the bid.

13. Physical Submission - The sealed envelope A should be sent by registered A.D. or speed post to **Office of the Commissioner, Municipal Corporation, Saket Bhawan, ITI Rampur Chowk, Kosabadi, Pin-495677 Korba (C.G.)** before expiry of physical submission of the bid. (Please mention the Name of Work, N.I.T. No. in Physical Envelope)

14. Required documents of qualified tenderer shall be opened online on the prescribed date and time as per Notice Inviting Tender. After verification of proper and other required documents financial offers of such qualified bidders shall be opened online by the Commissioner, Municipal Corporation, Korba (C.G.) in the presence of the tenderer (s)/ representative who choose to attend at that time.
15. Additional performance shall be deposited by the successful bidder at the time of signing of agreement when the bid amount is seriously unbalanced. i.e. less than the estimated cost by more than 10% in such an event the successful bidder will deposit the additional performance security to the extent of differential cost of bid amount and 90% of the estimated cost in shape of Bank guarantee of Nationalized Bank in favor of Commissioner, Municipal Corporation, Korba (C.G.) in Additional to EMD failing which the tender in this favor shall be liable for Rejection. The same shall be released along with the normal Security Deposit.
16. It is mandatory for bidder to submit all mandatory/required documents in online in website <http://eproc.cgstate.gov.in>. Any documents which are not submitted in online but submitted physically will not be accepted.
17. Bidder has to submit all the mandatory/required documents, if the mandatory/required documents not submitted by bidder then bid will be disqualified without any further clarification.
18. If any document as required is not received as per the desired form, then the Bidder will be disqualified without any further clarification and his financial bid will not be opened.
19. The provision of Clause 11 regarding price escalation shall not be applicable under this contract. No escalation or increase in the contract price will be paid for any reason, including fluctuations in material costs, labor wages, or any other inputs, during the entire duration of the project.
20. In case of any discrepancy, ambiguity or dispute related to the interpretation of the term and condition of the tender documents, the decision of the Commissioner, Municipal Corporation Korba, shall be final and binding on all parties involved.
21. After the issuance of the work order, the successful bidder must mandatorily comply with the all- applicable rules and regulations of relevant government departments, including but not limited to those related to mining labor laws, income tax, Goods and Service tax (GST), other statutory obligations. The bidder will be solely responsible for adhering to these regulations throughout duration of the project.
22. The successful bidder shall mandatorily register himself under the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996. Proof of such registration shall be submitted for processing of running and final bills. Further, labour cess at the rate of 1% shall be deducted from each running and final bill as applicable.
23. The evaluation of bids shall be carried out by considering the lowest aggregate amount. The bidder quoting the lowest rate shall be considered as the Lowest Bidder (L1).
24. Security deposit at the rate of 5% shall be deducted from each running and final bill and shall be refunded to the contractor after completion of the security period of one year, reckoned from the date of completion of work, subject to certification that the work is in

good condition.

25. The contractor shall also be responsible for performance of work carried out by him for a period of 36 (Thirty-Six) Month beyond the completion of work for which performance security has to be furnished by him @ 5% (five percent) of amount of contract. For this purpose, contractor has to submit to the department a Bank Guarantee of 5% amount of the value of work done on every running and final bill payable to him. If contractor fails to submit bank guarantee of 5% amount of the gross bill, then 5% amount of bill shall be deducted from his running and final bill payment. However, the contractor can get refund of such performance cash security amount deducted if he submits appropriate bank guarantee valid for the period as stated above or 36 (Thirty-Six) Month after actual completion.
26. If the successful contractor fails to execute the agreement within the stipulated time period prescribed in the tender document, action shall be taken as per the provisions contained in the tender conditions. In addition, thereto, as per the resolution passed by the Municipal Council of Municipal Corporation Korba, the contractor shall also be liable to be debarred from participating in any future tenders invited by the Municipal Corporation Korba for a period of 06 (six) months."
27. If the contractor fails to complete the work within the stipulated time period after issuance of the work order, action shall be taken against the contractor as per the terms and conditions of the agreement. In addition, thereto, as per the resolution passed by the Municipal Council of Municipal Corporation Korba, the contractor shall also be liable to be debarred from participating in any future tenders invited by the Municipal Corporation Korba for a period of 01 (one) year."
28. All OPVC/PVC/HDPE pipes shall be tested at Central Institute of Plastic Engineering & Technology (CIPET). All ductile iron pipes, if used, shall be inspected and tested through third-party inspection agencies such as SGS, RITES or equivalent, at the contractor's cost, and only pipes conforming to relevant IS standards shall be accepted; non-conforming materials shall be rejected at the contractor's risk and cost without any claim. Payments due towards the contractor will be processed only after submission of the relevant test certificates and inspection reports.
29. Upon issuance of the work order, the successful bidder shall comply with all provisions of the Construction and Demolition Waste Management Rules, 2016.


Superintending Engineer
Municipal Corporation
Korba (Chhattisgarh)

Copy to :-

Programer, Directorate, Urban Administration and Development, Raipur for upload web site www.uad.gov.in.

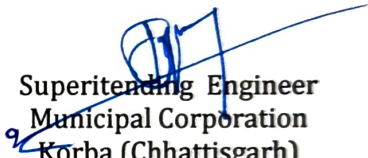
SYSTEM TENDER No 199561 (1st Call)

NIT No: 398177/2026

Korba Dated 17.09.2026

Key Dates

Task	Date	Time
Bid Start Date	17.09.2026	12.00 Hrs
Bid Due Date	09.10.2026	17.30 Hrs
Physical Doc Submission End Date	14.10.2026	15.00 Hrs
Bid Open Date (Scheduled)	14.10.2026	16.00 Hrs

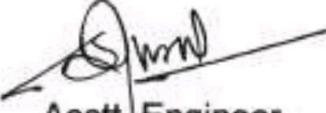

Superintending Engineer
Municipal Corporation
Korba (Chhattisgarh)

OFFICE OF THE MUNICIPAL CORPORATION KORBA (C.G.)
DETAILED PROJECT REPORT FOR CONSTRUCTION OF UKTIDHAM WARD NO
17 DHODHIPARA

Master Abstract

S. No.		Particular	ESTIMATE AMOUNT	REMARK
1	PART-1	WAITING AND CREMATORIUM SHED 2 NO.	1743000.00	
2		STORE ROOM	285652.89	
3		GUARD ROOM	173369.65	
4		TOILET BLOCK	223231.91	
5		WATER SUPPLY	74544.00	
		Total Amount	2499798.45	
		SAY RS.=	2500000.00	
1	PART-2	BOUNDARY WALL	1148945.24	
2		ELECTRIFICATION	188252.00	
3		LAND SCAPING	1001728.00	
4		RAINWATER HARVESTING	15000.00	
5		BORE WELL	146000.00	
		Total Amount	2499925.24	
		SAY RS.=	2500000.00	
	TOTAL PART-1 + PART-2		5000000.00	


 Sub. Engineer
 Municipal Corporation
 Korba (C.G.)


 Asstt. Engineer
 Municipal Corporation
 Korba (C.G.)


 Exe. Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work:-Construction of 2 NOS Cremation Shed near muktidham ward no17
Dhodhipara

As per SOR: Schedule of rates public works department[PWD BUILDING-01-01-2015]

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1	In all types of soil								
		column	10	1.50	1.50	1.50	33.75			
			5	4.70	0.60	0.60	8.46			
			3	2.60	0.60	0.60	2.81			
			3	3.20	0.60	0.60	3.46			
			3	3.00	0.60	0.60	3.24			
						Total	51.71	Cum	185.00	9567.09
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Raft	10	4	1.30	0.30	15.60			
		footing	10	4	0.60	0.60	14.40			
		column below plinth	10	2	0.300	1.10	6.60			
			10	2	0.200	1.10	4.40			
		plinth beam	2	2	12.400	0.30	14.88			
			5	2	6.400	0.30	19.20			
						Total	75.08	Sqm	139.00	10436.12
	5	Columns, Pillars, Piers and likes-rectangular or square in shape								
			10	1		3.3	33			
			10	1		0.6	6			
						Total	39.00	sqm	297.00	11583.00
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		SLAB	1	12.60	6.80		85.68			
			2	12.70	0.125		3.18			

		2	10.90	0.125		2.73			
		1	10.40	0.600		6.24			
					Total	97.82	sqm	235.00	22987.70
8	Beams, lintels, cantilevers & walls								
	TOP	4	12.40	0.20		9.92			
		6	10.60	0.20		12.72			
		2	3.20	0.20		1.28			
		4	1.90	0.20		1.52			
	latken beam	4	6.00	0.50		12.00			
		2	6.00	0.20		2.40			
					Total	39.84	sqm	202.00	8047.68
3	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.								
	column	10	1.50	1.50	0.10	2.25			
		5	4.70	0.60	0.10	1.41			
		3	2.60	0.60	0.10	0.47			
		3	3.20	0.60	0.10	0.58			
		3	3.00	0.60	0.10	0.54			
	filling under floor	1	12.00	6.00	0.40	28.80			
					Total	34.04	Cum	371.00	12630.32
4	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
	column	10	1.50	1.50	0.10	2.25			
		5	4.70	0.60	0.10	1.41			
		3	2.60	0.60	0.10	0.47			
		3	3.20	0.60	0.10	0.58			
		3	3.00	0.60	0.10	0.54			
	filling under floor	1	12.00	6.00	0.10	7.20			
						0.50			
					Total	12.94	Cum	2659.00	34418.10
5	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a								
					Total	51.71	Cum	65.00	3361.41

[illegible]

					Total	65.28	Cum	242.00	15797.76
7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
3	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		3	11.60	0.20	0.90	6.26			
		4	9.70	0.20	0.90	6.98			
		1	3.20	0.20	0.90	0.58			
		2	1.90	0.20	0.90	0.68			
		4	9.70	0.20	2.90	22.50			
	boundary wall	1	3.20	0.20	2.90	1.86			
		2	1.90	0.20	2.90	2.20			
		2	12.40	0.20	0.60	2.98			
		2	10.60	0.30	0.60	3.82			
	STEPS	3	4.50	0.90	0.20	2.43			
		3	4.50	0.60	0.20	1.62			
		3	4.50	0.30	0.20	0.81			
					Total	52.72	Cum	3263.00	172038.41
12	12.49 25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)								
	1								
		1	12.20	6.80		82.96			
					Total	82.96	sqm	897.00	74415.12
13	12.7 Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 matching pigment etc. complete								
	2 Size above 200x300mm								
		4	3.20		1.00	12.80			
		4	4.00		1.00	16.00			
					Total	28.80	sqm	587.00	16905.60
14	12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc. complete								

A Size 300x300mm		1	3.20	4.00		12.80			
12.48	15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).				Total	12.80	sqm	692.00	8857.60
	1 Granite stone grey/pink								
	STEPS	3	4.50	0.70		9.45			
					Total =	9.45	sqm	1869.00	17662.05
18	11.1 Providing and making 6mm thick cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		1	12.4	10.60		131.44			
		4	1.80	0.60		4.32			
					Total	135.76	sqm	87.00	11811.12
19	11.2 Providing and making 12mm thick cement plaster of mix								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		2	12.40		4.75	117.80			
		2	10.60		6.20	131.44			
		-2	1.80		1.20	-4.32			
					Total	244.92	sqm	91.50	22410.18
20	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		4	12.00		3.30	158.40			
		2	10.20		3.30	67.32			
		4	4.00		3.30	52.80			
		2	3.20		3.30	21.12			
		4	1.90		3.30	25.08			
		-3	0.90		2.10	-5.67			
		-2	0.80		2.10	-3.36			
		-3	1.50		1.20	-5.40			
					Total	490.29	sqm	107.00	52461.03
22	14.1 Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.					626.05	sqm	44.50	27859.23
	1 On new work (Two or more coats)								

						456.92	sqm	56.00	25587.52
35	14.22	1	On new work (Two or more coats)						
			Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's						
		2	Premium synthetic enamel paint	6	3.90	2.10		49.14	
				6	3.50	2.10		44.10	
				5	0.90	0.60		2.70	
							Total	95.94 sqm	47.00
									4509.18
								TOTAL=	836344.00
								ELECTRIFICATION	35211.00
								TOTAL=	871555.00
								FOR TWO NOS	1743109.99
								SAY RS.=	1743000.00


 Asstt. Engineer
 Municipal Corporation
 Korba (C.G.)


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work :

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	10				10	Point	240.00	2400.00
	2	Medium Point	7				7	Point	376.00	2632.00
2	1.3	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	1				1.00	Point	87.00	87.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	3	40.00			120.00	Metre	111.00	13320.00
4	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.								
	3	1400 mm sweep	3				3	Each	1773.00	5319.00

6	8.22.5	12 Watt	5			5.00	Each	588.00	2940.00
	8.22.6	15 Watt	5			5.00	Each	679.00	3395.00
6	5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.							
	5.1.1	5/6 amps one way switch	2			2.00	Each	25.00	50.00
	5.1.4	15/16 amps switch	6			6.00	Each	59.00	354.00
	5.1.5	3 pin 5/6 amp socket outlet	8			8.00	Each	42.00	336.00
	5.1.6	6 pin 15/16 amp socket outlet	4			4.00	Each	73.00	292.00
	5.1.7	Plug Top 3 pin 5/6 Amps (For light plug).	4			4.00	Each	38.00	152.00
	5.1.8	Plug Top 3 pin 16 Amps (For power plug).	2			2.00	Each	51.00	102.00
	5.1.12	Fan regulator Electronic, step type moving all round	3			3.00	Each	130.00	390.00
	5.1.13	Ceiling rose 3 pin 5 amps	3			3.00	Each	32.00	96.00
	5.1.15	Batten/ angle holder	10			10.00	Each	38.00	380.00
7	9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.							
	11.17.2	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	2			2.00	Each	1483.00	2966.00
TOTAL =									35211.00

say rs. =


AB



OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work:-Construction of store room

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1	In all types of soil								
		column	4	1.50	1.50	1.50	13.50			
			4	4.00	0.60	0.60	5.76			
						Total	19.26	Cum	185.00	3563.10
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Raft	4	4	1.30	0.30	6.24			
		footing	4	4	0.60	0.60	5.76			
		column below plinth	4	2	0.300	1.10	2.64			
			4	2	0.200	1.10	1.76			
		plinth beam	2	2	4.000	0.30	4.80			
			2	2	4.000	0.30	4.80			
						Total	26.00	Sqm	139.00	3614.00
	5	Columns, Pillars, Piers and likes-rectangular or square in shape								
			4	1		3.3	13.2			
			4	1		0.6	2.4			
						Total	15.60	sqm	297.00	4633.20
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		SLAB	1	4.40	4.40		19.36			
			2	4.40	0.125		1.10			
			2	4.40	0.125		1.10			
			1	4.40	0.600		2.64			
						Total	24.20	sqm	235.00	5687.00
	8	Beams, lintels, cantilevers & walls								

	TOP	8	4.40	0.20		7.04			
		8	4.40	0.20		7.04			
		2	6.00	0.20		2.40			
					Total	16.48	sqm	202.00	3328.96
3	1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete column	4	1.50	1.50	0.10	0.90			
		4	4.00	0.60	0.10	0.96			
	filling under floor	1	4.00	4.00	0.40	6.40			
					Total	8.26	Cum	371.00	3064.46
4	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
	column	4	1.50	1.50	0.10	0.90			
		4	4.00	0.60	0.10	0.96			
	filling under floor	1	4.00	4.00	0.10	1.60			
						0.50			
					Total	3.96	Cum	2659.00	10529.64
5	1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a								
					Total	19.26	Cum	65.00	1251.90
6	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
	raft c1	4	1.30	1.30	0.30	2.03			
	footing	4	0.60	0.6	0.60	0.86			
	column below plinth	4	0.20	0.300	1.10	0.26			
	plinth beam	4	4.40	0.200	0.30	1.06			
					Total	4.21	Cum	4163.00	17534.56
	super structure 3.2.1+3.4								

7	3.4	TOP	4	4.40	0.20	0.20	0.70			
			4	4.40	0.20	0.20	0.70			
		chajja	1	4.40	0.600	0.10	0.26			
			1	1.800	0.600	0.100	0.11			
			4	0.200	0.300	0.600	0.14			
		slab	1	4.800	4.800	0.125	2.88			
						Total	4.80	Cum	4260.50	20467.44
							0.00	Cum	97.50	
8	3.12	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and								
		Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
			100		9.02		901.60			
						Total	901.60	kg	54.50	49137.20
9	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. Complete								
			1	4.40	4.00	0.80	14.08			
						Total	14.08	Cum	242.00	3407.36
						=				
9	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
		3 Cement Mortar 1:6 (1 cement : 6 coarse sand)								
			4	4.00	0.20	0.90	2.88			
			4	4.00	0.20	2.90	9.28			
		PARAPET	4	4.40	0.20	0.60	2.11			
		STEPS	3	4.50	0.90	0.20	2.43			
			3	4.50	0.60	0.20	1.62			
			3	4.50	0.30	0.20	0.81			
						Total	19.13	Cum	3263.00	62427.72
12	12.49	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)								
		1	1	4.40	4.40		19.36			

2.7	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 matching pigment				Total	19.36	sqm	897.00	17365.92
2	Size above 200x300mm								
		4	4.40		1.00	17.60			
					Total	17.60	sqm	587.00	10331.20
14	12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment								
	1 Size 300x300mm	1	4.40	2.00		8.80			
					Total	8.80	sqm	692.00	6089.60
15	12.46 15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).								
	1 Granite stone grey/pink								
	STEPS	3	4.40	0.50		6.60			
					Total	6.60	sqm	1869.00	12335.40
18	11.1 Providing and making 6mm thick cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		1	4.4	4.00		17.6			
		4	1.80	0.60		4.32			
					Total	21.92	sqm	87.00	1907.04
19	11.2 Providing and making 12mm thick cement plaster of mix								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		2	4.40		4.75	41.80			
		2	4.40		6.20	54.56			
		-2	1.80		1.20	-4.32			
					Total	92.04	sqm	91.50	8421.66

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work :

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	4				4	Point	240.00	960.00
	2	Medium Point	2				2	Point	376.00	752.00
2	1.3	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	1				1.00	Point	87.00	87.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	3	20.00			60.00	Metre	111.00	6660.00
4	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.								
	3	1400 mm sweep	1				1	Each	1773.00	1773.00

	Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.								
8.22.5	12 Watt	2				2.00	Each	588.00	1176.00
8.22.6	15 Watt	2				2.00	Each	679.00	1358.00
6	5.1 Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.								
5.1.1	5/6 amps one way switch	2				2.00	Each	25.00	50.00
5.1.4	15/16 amps switch	2				2.00	Each	59.00	118.00
5.1.5	3 pin 5/6 amp socket outlet	2				2.00	Each	42.00	84.00
5.1.6	6 pin 15/16 amp socket outlet	2				2.00	Each	73.00	146.00
5.1.7	Plug Top 3 pin 5/6 Amps (For light plug).	2				2.00	Each	38.00	76.00
5.1.8	Plug Top 3 pin 16 Amps (For power plug).	2				2.00	Each	51.00	102.00
5.1.12	Fan regulator Electronic, step type moving all round	1				1.00	Each	130.00	130.00
5.1.13	Ceiling rose 3 pin 5 amps	4				4.00	Each	32.00	128.00
5.1.15	Batten/ angle holder	4				4.00	Each	38.00	152.00
7	9.1 Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.								
11.17.2	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	2				2.00	Each	1483.00	2966.00
TOTAL =									16718.00

say rs.=


AE



CONSTRUCTION OF GUARD ROOM

No.	S.O.R. ITEM NO.	Item	Nos	L	B	H/D	Quantity	Unit	Rates	Amount
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and inequalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		Plot area	1	4	4	-	16			
						Total	16	sqm.	7.2	115.00
2	1.1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all Type of Soil.								
		For Main Column A								
		F1	4	1.5	1.5	1.5	13.5			
						Total	13.5	cum.	185	2498.00
3	1.6	Extra for every additional lift of 1.5 m or part there of All types of soil								
		For Main Column A								
		F1	4	1.5	1.5	0.3	2.7			
						Total	2.7	cum.	26.5	72.00
4	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		For Main Column A								
		F1	4	1.50	1.50	0.1	0.9			
		Building	1	3.00	3.00	0.6	5.4			
					Total Qty.		6.3	cum.	371	2337.30
5	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40 mm nominal size).								
		For Main Column A								
		F1	4	1.4	1.4	0.10	0.784			
		floor area	4	3.0	3.0	0.10	3.6			
					Total		4.384	cum.	2970	13020.00

3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
	Footing F1/C1	4	1.30	1.30	0.35	2.366		
	for column up to plinth lvl.							
	For Main Column A	4	0.20	0.30	1.25	0.3		
	ground beam ,plinth beam size:GB2 (200*300)							
		4	3.0	0.20	0.3	0.72		
					TOATAL	3.386	cum.	4163 14096.00
	Column A intel beam Size -200*200 chhajja W1+D1 v1 SLAB BEAM size:200*400 SLAB DETAILS BUILDING AREA platform	4 1 1 1 1	0.20 3.00 3.00 0.90	0.30 0.20 0.60 0.60	3.00 0.20 0.10 0.10	0.72 0.6 0.18 0.054		
						0.72		
		4	3.00	0.20	0.40			
		1	3.00	3.00	0.12	1.08		
		1	3.00	0.45	0.10	0.135		
					Total	3.489		
	Dedection Slab beam	4	3.0	0.2	0.12	0.288		
						0.288		
					Total	3.201	CUM	4163 13325.76
7	3.4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:						
		same quanty			3.201	CUM	97.5	312.10
8	3.12.1	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: hermo-Mechanically Treated (TMT) Bars			3.201			
		100 Kg / cum. of R.c.c. work			320.1	KG.	54.5	17445.00
9	2.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels,						
	2.1.1	Foundations, footings, base of columns, plinth beam, Curtain Wall in any shape and size and all type of wall below plinth level						
		For Main Column A	4	5.20	-	0.35	7.28	
		for column up to plinth lvl.						
		For Main Column A	4	1.00	-	1.65	6.6	
		Ground beam , Plinth beam						

		size:GB2 (200*300)							
			4	3.00	-	0.70	8.4		
			4	3.00	-	0.60	7.2		
						Total	29.48	sqm.	139 4098.00
10	2.1.5	columns, Pillars, piers and likes-rectangulay or square in shape in size. for column up to slab lvl.+Prapet lvl For Main Column A	4	0.80	-	3	9.6		
						Total	9.6	sqm.	297 2851.00
11	2.1.13	Weather shade chhajja ,cornices and mouldings. chhajja	-	-	-	-	-		
		W1	1	3.00	0.70	-	2.1		
		v1	1	0.90	0.70	-	0.63		
		SIDE	4	3.90	0.10	-	1.56		
						Total	4.29	sqm.	294 1261.00
12	2.1.8	Beams ,Lintels, Cantilevers & walls intel beam	1	3.00	-	0.60	1.8		
		Slab Beam size:200*400	4	3.00	-	1.00	12		
						Total	13.8	Sqm.	202 2788.00
13	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) Building Area	1	3.00	3.00	-	9		
						Total	9	sqm.	235 2115.00
14	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand) UP TO GD BEAM	1	3.00	0.20	0.45	0.27		
						Total	0.27	cum.	3263 881.00
15	7.5.4	Brick work with modular FLY ASH lime bricks (flag brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in:Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)+ Extra for brick work in superstructure above plinth level for every floor or part therof in additional to rate for foundation and plinth: UP TO SLAB BEAM PERPIT WALL Deduction D1 W1 V1	4 4 1 1 1	3.00 3.00 1.00 1.50 0.90	0.20 0.20 0.20 0.20 0.20	2.60 0.30 2.40 1.50 0.60	6.24 0.72 0.48 0.45 0.108		
						(-)	1.038		

					Total	5.922	cum.	3263	19323.00
7.5.4		Brick work with modular FLY ASH lime bricks (Faig brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand) brick work				5.922			
						5.922	CUM	121	716.56
16	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork. Outer			4	3.00	0.20		
					0.075	0.18			
					Total	0.18	cum.	4237	763.00
17	11.1.2	Providing and making 6mm thick cement plaster of mix : In Cement mortar 1:4 (1 cement : 4 fine sand) Building CELLING chhajja W v1 SIDE			1 1 1 1 4	2.60 3.00 0.90 0.70 0.60	2.60 0.70 0.70 0.10	- - - - -	6.76 2.1 0.63 0.24
					Total	9.73	sqm	87	847.00
18	11.2.3	Providing and making 12mm thick cement plaster of mix: in cement mortar 1:5(1 cement : 5 fine sand) INNER WALL Deduction D1 W1 V			4 1 1 1	2.60 1.00 1.50 0.90	- - - -	2.88 2.40 1.50 0.60 (-)	29.952 2.4 2.25 0.54 5.19
						29.952	sqm.		
					Total	24.762	sqm.	96.5	2390.00
19	11.3.4	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix In Cement Mortar 1:5 (1 cement : 5 fine sand) Outer Wall Front Window grooving Deduction(-) D1 W1 V			4 1 1 1 1 1	3.00 1.50 1.00 1.50 0.90	- - - - -	3.70 0.20 2.40 1.50 0.60 5.19	44.4 0.3 44.7 2.4 2.25 0.54
					Total	39.51	sqm.	113	4465.00

14.13		Providing and applying 2mm thick ready mix exterior grade putty (Birla wall care, Alltek Superfine W/R of (NCL), J.K. wall putty) on walls to make the surface smooth and even.							
		Same as item total plaster			74.002	sqm	94.5	6993.00	
21	14.11.1	Wall painting with acrylic luxury emulsion (plastic) paint of Required Shade to give an even shade. On new work(two or more coats)							
		Same as item Ceiling & inner			34.492	sqm.	52.5	1811.00	
22	14.15.1	Painting exterior surface with ACRYLIC SMOOTH exterior paints of required shades as per manufacture specification to give protective and decorative finish including cleaning washing of surface etc. complete with							
		on new work (two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)							
		Same as item outer plaster			39.51	sqm.	56	2213.00	
23	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.							
		Outer	4.00	3.00	0.20	-	2.4		
		Total				2.4	sqm.	93.5	224.00
25	3.16	Making 50mm thick plinth protection of plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with sand including finishing the top smooth.							
		Outer	4	3	-	1.5	12		
		Total				12	sqm	273	3276.00
25	8.1.1	Providing wood work in frames of doors, Window s, clerestory windows and other frames wrought framed and fixed in position.							
		Teak Wood							
		D1	1.00	5.80	0.08	0.15	0.06525		
		Total				0.06525	cum.	114758	7488.00
26	8.6.1	Providing and fixing 40mm thick paneled or glazed or paneled and glazed shutter frames for doors excluding hinges and paneling. (Area of shutter to be measured without deducting paneling area)							
		Teak wood							
		D1	1	1.00	2.40	2.4	sqm.	2906	6974.00

	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming of red oxide zinc chromate primer.									
		W	1	1.50	-	1.50	2.25				
		V	1	0.90	-	0.60	0.54				
							2.79	sqm.			
						20 kg /sqm	55.8	KG.	67.5	3767.00	
28	8.62.2	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: 200x10 mm									
		D1	1	2.00	-	-	2.00				
		Total				Total	2.00	each	231	462.00	
29	8.65.1	Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm									
		D1	1	4.00	-	-	4.00				
		Total				Total	4.00	each	55.5	222.00	
30	8.80.2	Providing and fixing Antique/S.S. finished brass door latch with necessary Antique/S.S. POLISHED MS screws complete: 300 x16x5 mm									
		D1	1	1.00	-	-	1.00				
		Total				Total	1.00	each	280	280.00	
31	8.73	Providing and fixing 150mm Antique/S.S. finished brass floor door stoppers with rubber cushion and antique/ S.S. Polished MS screws to suit thickness of shutters thickness.									
		D1	1	2.00	-	-	2.00				
		Total				Total	2.00	each	77.50	155.00	
32	9.37	Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop.									
		Building	1	1.00	-	-	1.00				
		Total				Total	1.00	each	97.00	97.00	

34	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing and panelling to be paid for separately)							
	9.47.1	For Fixed Portion							
		W	1	6.00	-	-	6.00		
		V1	1	3.00	-	-	3.00		
					2.10 kg	X	9.00	meter	
							18.90	kg	331 6256.00
35	9.49	Extra for Polyester powder coated (minimum 50 micron) aluminium sections instead of anodized.							
		same as item of aluminium fixed and shutter.					18.9	kg	34.5 652.00
36	9.53	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):							
		W	1	1.50		1.50	2.25		
		V1	1	0.90		0.60	0.54		
						Total	2.79	sqm.	708 1975.00
39	12.13.1	Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete: (Size 600x600mm)							
		ROOM	1	3.00	3.00		9.00		
						Total	9.00	sqm.	1151 10359.00
40	14.22.2	Painting on new work (two or more coats) to give an even shade with premium synthetic enamel panits.							
		grill							
		W	1	1.50		1.50	2.25		
		V	1	0.90		0.60	0.54		
						Total	2.79	sqm.	47 131.00

									Total	159054.72
Adding 9% Electrification Rs.										14314.93
Grand Total Rs.										173369.65

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work: - TOILET

As per SOR: Schedule of rates public works department (PWD BUILDING-01-01-2015)

S.N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1	In all types of soil								
			4	1.20	1.20	1.20	6.91			
			4	2.60	0.60	0.60	3.74			
						Total=	10.66	Cum	185.00	1971.36
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
			4	0.50	0.30		0.60			
			4	0.20	0.6		0.48			
			4	0.30	0.6		0.72			
			8	2.60	0.300		6.24			
						Total=	8.04	Sqm	139.00	1117.56
	5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			8	0.20		3.30	5.28			
			8	0.30		3.30	7.92			
						Total=	13.20	sqm	297.00	3920.40
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
			1	3.00	3.00		9.00			
						Total=	9.00	sqm	235.00	2115.00
	8	Beams, lintels, cantilevers & walls								
			16	2.60	0.300		12.48			
						Total=	12.48	sqm	202.00	2520.96

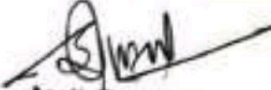
18		Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.							
			4	1.20	1.20	0.10	0.58		
			1	3.00	2.80	0.20	1.68		
4	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				Total=	2.26	Cum	371.00
									836.98
	3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).							
			4	1.20	1.20	0.10	0.58		
			4	2.60	0.60	0.10	0.62		
			1	2.60	2.60	0.10	0.68		
						Total=	1.88	Cum	2659.00
									4988.28
5	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.							
							10.66		
						Total=	10.66	Cum	65.00
6	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.							692.64
	1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
	COLUMN		4	1.10	1.10	0.25	1.21		
			4	0.50	0.50	0.30	0.30		
			4	0.20	0.30	1.00	0.24		
			4	2.60	0.20	0.30	0.62		
			4	2.60	0.20	0.30	0.62		
			4	0.20	0.30	3.30	0.79		
	SLAB		1	3.00	3.00	0.13	1.13		
			2	3.00	0.60	0.10	0.36		
			4	1.40	0.20	0.30	0.34		
			2	3.10	0.20	0.30	0.37		
						Total=	5.98	Cum	4163.00
									24907.23

	4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:					0.00	Cum	97.50	
8	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	1	Thermo-Mechanically treated bars FE 415								
			1	100	5.98		598.30			
						Total=	598.30	kg	54.50	32607.35
9	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	3	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
			4	2.60	0.20	0.60	1.25			
			3	2.60	0.20	3.30	5.15			
						Total=	6.40	Cum	3263.00	20870.15
10	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	5	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
			2	3.00	1.50	0.10	0.90			
						Total=	0.90	Cum	4073.00	3665.70
11	12.7	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 matching pigment complete.								
	2	Size above 200x300mm								
			4	2.80		2.10	23.52			
						Total=	23.52	sqm	587.00	13806.24

9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.								
	1 Size 300x300mm	1	3.00	3.00		9.00			
					Total=	9.00	sqm	692.00	6228.00
14	9.15 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
	ventilator	2	12.00			24.00			
					Total=	24.00	Kg	67.50	1620.00
15	11.1 Providing and making 6mm thick cement plaster of mix								
	2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		1	2.6	3.30		8.6			
					Total=	8.58	sqm	87.00	746.46
16	11.2 Providing and making 12mm thick cement plaster of mix								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		4	2.60		3.90	40.56			
					Total=	40.56	sqm	91.50	3711.24
17	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	4 In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		4	3.00		3.30	39.60			
					Total=	39.60	sqm	107.00	4237.20
6	14.5 Providing and applying 2mm thick ready mix exterior grade putty (manufactured with cow dung processing) on walls to make the surface smooth and even.								
						88.74			
					Total =	88.74	sqm	94.50	8385.93

5		Wall painting with premium emulsion (plastic) manufactured with the cow dung processing emulsion paint of required shade to give an even shade..				49.14	sqm	44.50	2186.73
	1	On new work (Two or more coats)							
15		Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with:				39.60	sqm	56.00	2217.60
	1	On new work (Two or more coats applied 1.43 ltr/ 10 sqm over							
22	8.141	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.							
		8.141.2 150 mm			Total=	2.00	nos	49.50	99.00
23	8.58	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:							
		8.58.1 125x85x5.50 mm (Heavy Type)			Total=	2.00	nos	245.00	490.00
24	8.143	Providing and fixing stainless steel hanging door stopper with necessary stainless steel screws complete.							
	1	Single			Total=	2.00	nos	47.00	94.00
24	8.149	Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm $\pm$ 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws.							

2 B 149.1 24 mm thick door shutters with styles and rails of size 50x24 mm side	1	1.00	2.10		2.10			
				Total=	2.10	sqm	2399.00	5037.90
							TOTAL=	149073.91


 Asstt. Engineer
 Municipal Corporation
 Korba (C.G.)


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

PART - B - SANITATION WORK

18.76	Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.								
1	75 mm dia pipe.	1	15.00			15.00	metre	182.00	2730.00
2	110 mm dia pipe.	1	40.00			40.00	metre	267.00	10680.00
18.1	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :					2	each	2899.00	5798.00
3	White Orissa pattern W.C. pan of size 580x440 mm								
18.17	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :					2	each	1605.00	3210.00
1	White Oval or round size 550x400mm.								
18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.								
1	Tee/ Tee with door/ Bend 45°/ Bend 90°								
1	75 mm					2.00	each	113.00	226.00
2	110 mm					10.00	each	154.00	1540.00
3	Vent cover								
1	75 mm					4.00	each	34.00	136.00
6	Nahani trap 110x75mm					6.00	each	90.50	543.00

4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c 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.								
1	15 mm nominal outer dia .Pipes.				30.00	metre	110.00	3300.00	
3	25 mm nominal outer dia .Pipes.				15.00	metre	199.00	2985.00	
4	32 mm nominal outer dia .Pipes.				12.00	metre	271.00	3252.00	
6	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
1	Bib cock (250 grams)				6.00	each	185.00	1110.00	
7	19.14 Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
6	Stop cock (concealed) (600 grams)				2.00	each	494.00	988.00	
4	Pillar Cock (400 grams)				2.00	each	396.00	796.00	
8	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:								
1	Bib cock (400 grams)				4.00	each	382.00	1528.00	
2	Long nose bib cock (500 grams)				4.00	each	455.00	1820.00	
9	19.15 Providing and fixing stainless steel drain jali of approved make/quality.				12.00	each	51.00	612.00	
10	19.16 Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
1	25 mm nominal bore				2.00	each	436.00	872.00	
2	32 mm nominal bore.				2.00	each	510.00	1020.00	

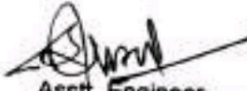
13	19.42	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :					2.00	each	4356.00	8712.00
							1000.00	litre	7.30	7300.00
TOTAL =									59158.00	
TOTAL=									208231.91	

ELECTRIFICATION

15000.00

TOTAL

223231.91


Asst. Engineer
Municipal Corporation
Korba (C.G.)


Sub Engineer
Municipal Corporation
Korba (C.G.)

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OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

Name of work:- BOUNDARY WALL

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1	In all types of soil								
		column	75	1.20	1.20	2.00	216.00			
		for expansion	5	1.20	1.20	1.20	8.64			
		below plinth	1	240.00	0.40	0.40	38.40			
						Total	263.04	Cum	185.00	48662.40
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
			80	4	1.10	0.25	88.00			
			80	1.00		2.10	168.00			
		plinth beam	2	240		0.30	144.00			
						Total	400.00	Sqm	139.00	55600.00
	5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			80	1.00		1.5	120			
						Total	120.00	sqm	297.00	35640.00
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.								
		column	80	1.20	1.20	0.10	11.52			
		below plinth	1	240.00	0.40	0.10	9.60			
						Total	21.12	Cum	371.00	7835.52
4	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								

11	11.2	5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
			1	240.00	0.20	0.05	2.40		
						Total	2.40	Cum	4073.00
									9775.20
11	11.2	Providing and making 12mm thick cement plaster of mix							
		4 In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			1	240.00		1.80	432.00		
						Total	432.00	sqm	91.50
									39528.00
12	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:							
		4 In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			1	240.00		1.80	432.00		
						Total	432.00	sqm	107.00
									46224.00
13	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.					884.00	sqm	41.00
		1 On new work (Two or more coats)							36244.00
		Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying							
		gate					430.00		
							430.00		88.50
									38055.00
TOTAL=									1148945.24


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)


 Asst. Engineer
 Municipal Corporation
 Korba (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

DETAILED ESTIMATE

LIGHTING

Sl.No.	SOR No.	Description	unit	Qty	Rate	Amount
1	19.6	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octagonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 3mm thick anchor plate, 4 nos 16mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3)				
	19.6.2	4 metre high, dia 130mm at bottom and 75mm at top, base plate size 200x200x12mm, foundation bolts 450mm long	Each	5.00	5942.00	29710.00
2	19.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification.				
	19.9.7	Double Over Hang 1.50 metre Long	Each	5.00	1869.00	9345.00
3	19.11	Erection of GI octagonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification.				
	19.11.2	4 metre high	Each	5.00	604.00	3020.00
4	32.7	Supplying following sizes FRLS PVC insulated, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade and as per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	32.7.9	3 x 25 sq. mm	Metre	90	97	8730.00

5	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification.				
		TOTAL pole (0.8x.8x.8x.8) at Every 20 mtr	cum	2.00	5219	10438.00
6	14.2	Supplying and laying HDPE pipe of 4kg/Sqcm in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification.				
	14.2.1	63 mm outer dia	Metre	90	124	11160.00
8	15.1	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
	15.1.24	4 x 25 sq. mm.	Metre	90.00	321	28890.00
9	15.23	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification.				
	15.23.25	4 X 25 sq. mm (25 mm)	Each	3.00	104.00	312.00
10	12.1	Earthing with G.I. earth pipe 4.5 metre 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 per specification and IS Code 3043: 1987(R 2016)	Set	1.00	3243.00	3243.00
11	12.3	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	1.00	6209.00	6209.00
12	12.12	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	Metre	20.00	36.00	720.00

13	7.19	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc				
	7.19.1	Upto 300 mm deep	sqm	1.00	6818.00	6818.00
13	7.20	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification.				
	7.20.1	100 amp (20x3mm)	Metre	5.00	717.00	3585.00
14	7.15	Providing and making interconnection in cubical panel between BBC and switchgears with following size FRLS PVC insulated aluminium conductor wire lead of length upto 50cm including providing aluminium thimbles on both ends as per specification (To be measured separately for each phase/ neutral).				
	7.15.2	16 sqmm (63 amp)	Each	1.00	55.00	55.00
15	9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.				
	9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	2.00	3734.00	7468.00
16	9.11	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.11.2	6 amps to 32 amps	Each	8.00	148.00	1184.00
17	9.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
	9.12.2	6 amps to 32 amps	Each	5.00	411.00	2055.00
		LED FOR POLE				

6.28	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing. <u>Separate housing for driver etc complete as per</u>				
6.28.8	90 watt	Each	10.00	5531.0	55310.00
	Total cost in Lacs				1,88,262.00


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OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)
DETAILED ESTIMATE

Name of work:-LAND SCAPING AND PARKING

S.No.	S.O. R.N O	Description of Item	No.	L	B	D/H	Qty.	Unit	Rate	Amount
		SOR ITEMS								
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.								
		For Flower bed Wall Along Boundry Wall	1	150.00	0.30	0.30	13.50			
			100	0.60	0.90	1.80	97.20			
			1	150.00	1.80	0.20	54.00			
							164.70	cum	185.00	30469.50
2	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
			1	50.00	4.00	0.10	20.00			
							20.00	cum	371.00	7420.00
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		foot path	1	150.00	1.50	0.10	22.50			

							22.50	cum	2970.00	66825.00
4	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		foot path	1	150.00	0.10	0.30	4.50			
							4.50	cum	3263.00	14683.50
5	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		Above NGL								
		foot path	1	150.00	0.50		75			
							75	Sqm	107.00	8025.00
6	14.1 7.1	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm								
		Qty Same as Plastered Area								
							40	Sqm	140	5600.00
		PLANTATION								
7	####	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand:								
	22.2 5.1	Hedges like Alife, Dorenta, Tikoma etc	1200.00				1200.00	Each	14.00	16800.00
	22.2 5.2	Furn like Arica, China etc (3 year old)	158.00				158.00	Each	125.00	19750.00

[illegible]

12	11.1	Maintenance of Lawns or Turfing of Slopes (Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc.)								
			1.00	30.00	20.00		600.00	SQM	131.00	78600.00
13	11.2(B)	Maintenance of Hedge for one year								
		FOR THREE YEAR	1.00	180.00			180.00	Meter	138.00	24840.00
	Building									
14	22.2	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 10 km (earth measured in stacks will be reduced by 20% for payment).								
		Garden Area	1.00	80.00	40.00	0.20	640.00			
						75%	480.00	cum	201.00	96480.00
		85% of EARTH								
15	22.4	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 10 km (manure measured in stacks will be reduced by 8% for payment) :								
		15% of cow dung				25%	160.00	cum	236.00	37760.00
16	22.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).								
		Earth For Garden					480.00			
		Sludge For Garden					40.00			
							520.00	cum	17.50	9100.00

17	12.8	Providing and fixing plain cement concrete fibre reinforced heavy duty designer glazed floor tiles with uniform colour (for coloured tiles) and texture conforming to IS: 1237 (for abrasion wear) and IS : 516 (for compressive strength) of approved make, colours, shades and size on cement Mortar bed and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete.								
		On floor, steps and risers over 20mm thick bed of cement Mortar	1.00	150.00	1.50		225.00	sqm	905.00	203625.00
Road S.O.R							TOTAL- A			1001728.00
			TO SAY - A+B							1001728.00


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"BOREWELL WITH PUMP"

S.No.	PARTICULAR	NO.	L	B	H/D	QTY.	UNIT	RATE (in Rs.)	AMOUNT (in Rs.)
1	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. (only successful points payable)								
	(BUILDING SOR ITEM NO. 21.17/201)	1				1	PT.	1502.00	1502.00
2	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level.								
	(a) All Types of soil								
	200 mm dia								
	(BUILDING SOR ITEM NO. 21.1.1.4/198)	1	30.00			30.00	RMT	371.00	11130.00
	(b) Rocky strata including Boulders								
	200 mm dia								
	(BUILDING SOR ITEM NO. 21.1.2.4/198)	1	50.00			50.00	RMT	457.00	22850.00

	providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tube well as per IS:2800 (part I).								
	21.13.4 200mm dia								
	(BUILDING SOR ITEM NO. 21.13/201)								
		1				1	EACH	200.00	200.00
		1				1	each	4030.00	4030.00
8	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1							
9	Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as per specification.								
	3x4.0 sqmm	1	80			80	m	264.00	21120.00
10	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.								

	Above 300 mm and upto 450 mm deep	1	0.6	0.45		0.270			
						0.270	sqm	7525.00	2031.75
11	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and lcs = 100 % lcu.								
	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA					10	each	1483.00	14830.00
(For One Nos) Total Rs=.									146322.75
Say rs.=									146000.00


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