

Volume-II

CENTER OF INNOVATIVE & APPLIED

BIOPROCESSING

DEPARTMENT OF BIOTECHNOLOGY

(Govt. of India)

Knowledge City, Sector-81, Mohali

FINANCIAL BID DOCUMENT



Provision of Chain Link Fencing in Low Lying Area at Main Campus, CIAB, Knowledge City, Sector-81, Mohali.

TECHNICAL SPECIFICATIONS

1.0 STANDARD SPECIFICATIONS TO BE FOLLOWED

The work should be executed as per following CPWD specification and also the specification laid in tender document. In case, above specifications are not available for certain item, then the material should conform to ISI and BIS standards.

1.1 Civil Engineering Works

CPWD Specification 2009 Vol. I & II along with latest correction slips. These Specifications have replaced CPWD Specifications 1996 along with Correction Slips issued on them. These Specifications cover all types of Works. The specifications are available as a printed document issued by CPWD and also in soft copy PDF Format in CPWD website.

1.2 Electrical Engineering Works

- (A) CPWD General Specifications for Electrical Works Part I Internal - 2013.
- (B) CPWD General Specifications for Electrical Works Part II External - 1994.
- (C) CPWD General Specifications for Electrical Works Part IV Sub Stations – 2013.

The above specifications shall be read with upto date correction slips (if any).

(A) CIVIL WORKS

WORKMANSHIP FOR THE ENTIRE PLUMBING WORK.

The workmanship shall be best of its kind and shall conform to the specifications, as below or Indian Standard Specifications in every respect or latest trade practices and shall be subject to approval of the Engineer-in- Charge. All materials and/or Workmanship which in the opinion of the Engineer-in- Charge is defective or unsuitable shall be removed immediately from the site and shall be substituted with proper materials and/or workmanship forthwith.

WARRANTY AND HANDOVER

The Contractor shall warrant that all plant, materials and equipment supplied and all workmanship performed by him to be free from defects of whatsoever nature before handover to the Engineer-in-Charge. All the Guarantee/Warranty certificates of all the items shall be in the name of Institute i.e., CENTER OF INNOVATIVE & APPLIED BIOPROCESSING (CIAB), Mohali.

HANDING OVER OF DOCUMENTS

All testing and commissioning shall be done by the Contractor to the entire satisfaction of the Engineer-in- Charge and all testing and commissioning documents shall be handed over to the Engineer-in-Charge.

NOTE: In case of any contradiction between the specifications, the contractor shall take the prior approval of the Engineer- In - Charge before executing the same at site.

LIST OF MAKES TO BE ADOPTED

S. No	Item	Make
1	Cement	J K Lakshmi/ ACC/ Ultratech/ Ambuja
2	Steel Reinforcement (TMT bars)	Tata/JSW Jindal/ Sail/Vizag
3	GI Fencing	Tata/ Jindal/ Swastic
4	Paint	Asian Paint/ Berger/ICI
5	Mild steel tubular/section work	Jindal/Apollo/Tata/SAIL

Note: - Any other material makes not mentioned above shall be ISI marked & got approved from Engg-in-charge

NAME OF WORK: - Provision of Chain Link Fencing in Low Lying Area at Main Campus, CIAB, Knowledge City, Sector-81, Mohali

ABSTRACT SHEET

S.NO	PARTICULARS	AMOUNT (In INR)
1	ESTIMATED VALUE OF WORK (INCLUSIVE OF TAXES, LABOUR CESS ETC)	Rs 3,53,605/-
2	PERCENTAGE (% AGE) QUOTE PLUS/MINUS (+/ -) BY BIDDER ON ESTIMATED AMOUNT (IN FIGURES)	
3	PERCENTAGE (% AGE) QUOTE PLUS/MINUS (+/ -) BY BIDDER ON ESTIMATED AMOUNT (IN WORDS)	
4	NET AMOUNT AFTER UN-CONDITIONAL PERCENTAGE REBATE OR QUOTE ABOVE ESTIMATED VALUE ((IN FIGURES)	
5	NET AMOUNT AFTER UN-CONDITIONAL PERCENTAGE REBATE OR QUOTE ABOVE ESTIMATED VALUE ((IN WORDS)	

Stamp & Signatures of bidder

P/F of chain link fencing in Low Lying Area at CIAB Campus

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
1	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	sqm	218.5	561.7	122731.45
	Made of G.I. wire of dia. 4 mm				
2	Labour Charges for Providing and fixing Existing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	Sqm	95	250	23750.00
3	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	All kinds of soil	cum	38.40	125.95	4836.48
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	21.12	125.75	2655.84
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	17.28	5,924.65	102377.95
6	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.				

		rmt	135		
		In Kg	783	58.45	45766.35
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights				
	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	115.2	193.95	22343.04
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
	Two or more coats on new work	Sqm	64.8	78.4	5080.32
9	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.	Cum	10	997.05	9970.50
10	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in				
	Channels, angles, tees and flats		800	0.95	760.00
11	Labour Charges for dismantling of chain link Fencing with necessary battens and beading including stacking the serviceable material within 50 metres lead including removal of vegetation , etc in complete aspects as per Engineer-IN charge.	Sqm	218.5	45	9832.50
	Total				350104.43
	Labour Cess 1%				3501.04
	Net Total Amount for Civil Works				353605.48

NOTE: - Payment shall be released item wise based on actual measurement examined at site by Engineer- In- Charge. Rates quoted by bidder shall be deemed to be inclusive of all taxes, GST, profits, labour, carriage, etc.

Signature/Stamp of Bidder