

Volume-II

NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE (NABI)

(Department of Biotechnology,
Ministry of Science and Technology, Govt. of India)
C-127, Industrial Area, Phage 8, SAS Nagar, Mohali, Punjab

FINANCIAL BID DOCUMENT



**REMOVAL, LOADING, TRANSPORTATION, UNLOADING & STACKING OF
CIVIL, PUBLIC HEALTH WORKS ITEMS INSTALLED AT INTERIM FACILITY,
NABI-CIAB TO MAIN CAMPUS, NABI-CIAB,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.

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.

NAME OF WORK: - REMOVAL, LOADING, TRANSPORTATION, UNLOADING & STACKING OF CIVIL, PUBLIC HEALTH WORKS ITEMS INSTALLED AT INTERIM FACILITY, NABI-CIAB TO MAIN CAMPUS, NABI-CIAB,SECTOR-81, MOHALI

ABSTRACT SHEET

S.NO	PARTICULARS	AMOUNT (In INR)
1	ESTIMATED VALUE OF WORK INCLUDING LABOUR CESS	Rs 12,52,424/-
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

BOQ for removal, loading, transportation, unloading & stacking of civil, public health works items installed at interim facility, NABI-CIAB to Main Campus, NABI-CIAB, Sector-81, Mohali

S No.	Discription	Units	Qty	Rate	Amount
	Dismantling cement asbestos or gypsum ceiling other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.				
1	8mm thick bisen panelling	sqm	57.80	24.30	1404.54
	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. Also, the cost includes loading, transportation, unloading and stacking of material at suggested place by Engineer-In-charge				
2	ACP sheet	sqm	32.65	61.90	2021.04
	Removal of Patch Fittings including loading, transportation, unloading and stacking etc complete				
3	Wall patch with over panel for 12mm thick toughened glass	Each	4.00	130.18	520.72
4	Long L patches	Each	13.00	130.18	1692.34
5	Small L patches (with side Glass in over panel)for 12mm thick toughened glass	Each	7.00	130.18	911.26
6	Locks in Aluminium section for doors	Each	2.00	100.00	200.00
7	Aluminium Grill	sqm	0.46	100.00	46.00
8	Dismantling polycarbonate sheet ceiling or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. Also, the cost includes loading, transportation, unloading and stacking of material at suggested place by Engineer- In-charge	sqm	7.56	61.90	467.96
9	Dismantling aluminium work in doors, windows, patitions including stacking of serviceable materials and disposal of unserviceable materials . Also, the cost includes loading, transportation, unloading and stacking of material at suggested place by Engineer-In-charge	Kg.	208.58	47.21	9846.23

10	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete including loading, transportation, unloading and stacking etc - Stainless Steel Shutters	sqm	5.00	482.85	2414.23
11	Dismantling of stainless steel 304 grade pillars, boxed beams etc by dismantling of vitrified flooring, cement concrete/mortar , refixing of matching tiles and including loading, transportation, unloading, stacking etc	Each	36.00	600.00	21600.00
12	Removal of sliding door shutter, patch fittings, hardware including loading, transportation , unloading and stacking at Sector-81	Each	2.00	1200	2400.00
13	Removal of Totally air cooled, Micro processor logic controllor, oil free, silenced Rotary screw Air compressor of Capacity 60 CFM and operating at 7bar g Pressure including cutting/disconnection of SS piping etc, loading, unloading with crane and transportating safely to destination ie terrace of laboratory building i/c stacking etc at Sector-81, Mohali.	Each	1.00	15000.00	15000.00
14	Removal of 150mm dia towel ring including loading, transportation, unloading, stacking, packing etc	Each	4.00	20.00	80.00
15	Removal of 15mm dia bib cock including loading, transportation, unloading, stacking, packing etc	Each	4.00	100.00	400.00
16	Dismantling cement asbestos or gypsum ceiling other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	336.44	24.30	8175.44
17	Removal of Clip-in metal ceiling System consisting of clip in tiles of pre coated Aluminum in 0.7mm thickness with bevel edge in white colour (RAL 9010) with Light Reflectance > 86% and suitable for Green Building application, with Recycled content of 50%. To comprise 3000mm long 'C' channels spaced at 1200mm centres securely fixed to the structural soffit by support clamp & approved hangers including removal, packing, loading, transportation, unloading and stacking at location suggested by Engineer- In- Charge	sqm	393.40	61.90	24351.46

18	Dismantling of 12mm thick toughened glass doors and walls including removal, loading, transportation, unloading & stacking at place suggested by Engineer- in-charge.				
	Total	sqmtr	329.38	727.30	239559.13
19	Removal of Patch Fittings including packing, loading, transportation, unloading and stacking etc complete				
(a)	WCP				
	Total	RMT	322.58	77.99	25158.01
(b)	Double Connector				
	Total	Each	37.00	130.18	4816.66
(d)	Manets	Each	11.00	130.18	1431.98
20	Removal of Patch Fittings including packing, loading, transportation, unloading and stacking etc complete				
(a)	Top Pivots	Each	4.00	130.18	520.72
(b)	Top patch	Each	22.00	130.18	2863.96
(c)	Bottom patch	Each	22.00	130.18	2863.96
(d)	Corner lock with EPC	Each	19.00	130.18	2473.42
(e)	D pull handles 300x22mm/other size as per site	Each	22.00	130.18	2863.96
(f)	Floor spring	Each	24.00	219.77	5274.48
21	Removal of Patch Fittings including packing, loading, transportation, unloading and stacking etc complete				
a	Hydraulic door closer of approved make	Each	6.00	130.18	781.08
b	Stainless steel cylindrical lock (Brass colour coated) product code 5329.....	Each	7.00	130.18	911.26
22	MECHANICAL AIR COMPRESSOR PIPING				
	Removal of following Pipes inclusive of necessary pipe supports, nipples& U-Clamps including cutting, loading, transportation, unloading and stacking at desired location as suggested by Engineer- In-Charge.				
A	PIPE MOC : SS 304 - Sch.40				
a	40 NB				
	Total	Rmt	31.95	70.00	2236.50

c	20 NB				
	Total	Rmt	77.38	60.00	4642.80
d	15 NB				
	Total	Rmt	11.4	50.00	570.00
B	Removal of SS 304 FLANGES (SORF) ASA 150# on pipe line with gasket, bolts,Nuts, washer including cutting, loading, transportation, unloading and stacking at desired location as suggested by Engineer- In- Charge.				
a	40 NB				
	Total	Nos.	18	10.00	180.00
c	20 NB				
	Total	Nos.	34	10.00	340.00
	DUMMY FLANGES				
a	40 NB				
	Total	Nos.	3	10.00	30.00
c	20 NB				
	Total	Nos.	4	10.00	40.00
C	BENDS - 90° Long radius				
a	40 NB				
	Total	Nos.	14	10.00	140.00
c	20 NB				
	Total	Nos.	11	10.00	110.00
d	15 NB				
	Total	Nos.	8	10.00	80.00
III.	SS 304 BALL VALVES WITH TEFLON SEATING				
a	40 NB - Flanged Type	Nos.	2	30.00	60.00
c	20 NB - Flanged Type	Nos.	2	30.00	60.00
d	15 NB - Screwed Type	Nos.	6	30.00	180.00
	Puff Panelling components				
23	Removal of Clean room Wall panel : 100 mm thick puff panel having width 0.5mm TCT PPGI on outer and inner side. Return Air Riser of size 900mmx70mm including loading, transportation, unloading and stacking etc complete in all aspects.	sqm	270.18	276.68	74753.04

24	Removal of Clean room Ceiling Panel: 100 mm thick puff panel having width 0.5mm TCT PPGI on outer and inner side including loading, transportation, unloading and stacking etc complete in all aspects.	Sqmtr	158.85	276.68	43950.41
25	Removal of Clean room view panel size:1000x1000 including loading, transportation, unloading and stacking etc complete in all aspects.	Nos.	6	230.55	1383.28
26	Removal of Flashing for Wall panels including loading, transportation, unloading and stacking etc complete in all aspects.	Rmtr	375	67.82	25432.97
27	Removal of 60mm thick heavy duty hinged single door having door leaf of 40mm thick of size 1200mm x 2100mm with lock and a view port of size 304mm x 304mm Flashing for wall panels including loading, transportation, unloading and stacking etc complete in all aspects.	Nos.	8	135.64	1085.14
28	Removal of 60mm thick heavy duty hinged double door having door leaf of 40mm thick of size 1800mm x 2100mm with lock including loading, transportation, unloading and stacking etc complete in all aspects.	Nos.	1	203.46	203.46
	AL coving & corners				
29	Removal of TOP coving Powder coated including loading, transportation, unloading and stacking etc complete in all aspects.	Rmtr	197.63	67.82	13403.51
30	Removal of Wall to wall coving -- powder coated including loading, transportation, unloading and stacking etc complete in all aspects.	Rmtr	95	67.82	6443.02
31	Removal of Aluminium corners 1/8th spheres powder coated including loading, transportation, unloading and stacking etc complete in all aspects.	Nos.	36	67.82	2441.57
	Dismantling cost of civil works at First Floor (Sub- Total A)				558815.54

GROUND FLOOR WORKS

S.No.	Description	Unit	Qty	Rate	Amount
32	Dismantling, packing, loading , transportation , unloading and stacking of following items:-				
a	Top pivot -SM 1001	Each	16	130.18	2082.88
b	Bottom Patch - SM1010	Each	16	130.18	2082.88
c	Upper Patch - SM1020A	Each	16	130.18	2082.88
d	Corner Lock - SM1049E	Each	16	130.18	2082.88
e	Euro Profile Cylinder -EPC	Each	16	130.18	2082.88
f	Floor Spring - BTS80 GD	Each	16	219.77	3516.32
g	D' Type Handle (25X350) - TGDI35025S	Each	16	130.18	2082.88
33	Removal of mineral fiber ceiling tiles, with hot dipped galvanized steel grid work, Main Tees of size 33 (H) X 24mm every 1.2 M centre to centre to the grid of size 600 x 600 mm and suspending the grid from RCC roof using 3 mm GI rod, including packing loading, transportation, unloading and stacking etc at site.	Sqm	720	61.90	44568.0
34	Dismantling cement asbestos or gypsum ceiling other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	170	24.30	4131.0
35	Dismantling of 12mm thick toughened glass doors and walls including removal, loading, transportation, unloading & stacking at place suggested by Engineer- in-charge.	Sqm	285	727.30	207280.5
36	Dismantling of wall/floor connecting aluminium profile including removal, loading, and transportation, unloading & stacking at place suggested by Engineer- in-charge.	Rmt	247	77.99	19263.53

37	Removal of 600x450mm bevelled edge mirror or superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers including removal, loading, and transportation, unloading & stacking at place suggested by Engineer- in-charge.	Each	1	100	100.0
38	Removal of 150mm dia towel ring including removal,packing, loading, and transportation, unloading & stacking at place suggested by Engineer- in-charge.	Each	1	20.00	20
39	Removal of white glazed recess soap tray of size 150 x 150mm with necessary CP screws and washers fixed to wall including cutting wall, fixing and making good the surface etc., including removal, packing, loading, and transportation, unloading & stacking at place suggested by Engineer- in-charge..	Each	1	20	20
40	Removal of position best quality approved make 15mm CP brass short body bib cock including removal, packing, loading, and transportation, unloading & stacking at place suggested by Engineer- in-charge..	Each	1	100.00	100
41	Dismantling , loading, transportation, unloading and stacking of firefighting MS pipes as per direction of Engineer-in-charge :				
a	15 mm to 40 mm nominal bore	rmt	210	59.05	12401.025
b	Above 40 mm nominal bore	Rmt	72	59.05	4251.78
42	SPRINKLERS				
	Dismantling , packing , loading, transportation, unloading and stacking of fire fighting 15 mm dia. Quartzoid bulb type G.M. Sprinklers including rosette plates as per direction of Engineer-in-charge				
a	Upright sprinkler	Nos.	63	130.18	8201.34
b	Pendent sprinkler	Nos.	63	130.18	8201.34
43	Dismantling, packing, loading, transportation, unloading and stacking of minimum 6" long flexible connectors consisting of flexible core of corrugated stainless steel tubing under the braid, (Braiding to be SS-304/316 L/321) for minimum working pressure rating of 200 PSI to be installed at pipes crossing building expansion joints (to provide relief from stresses at pipe flangers) as per specification of the manufacturers.				

	25 dia	Nos.	63	130.18	8201.34
44	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	20	120.55	2411.0
	Sub- Total for dismantling, loading, transportation, unloading and stacking of serviceable material at Sector-81, Main Campus, NABI (B)				335164.46

BOQ for removal, loading, transportation, unloading & stacking of civil/public health works items installed at 2nd floor, Interim Facility, CIAB to Main Campus, NABI-CIAB, Sector-81, Mohali

Sl. No.	Description of Item	Unit	Qty		Rate	Amount
			Nos			
1	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum		15	120.55	1808.25
2	Removal of mineral fibre false ceiling 595 x 595 mm/other false ceiling along with inter locking metal grid of hot dipped galvanised steel sections consisting of main 'T' runner at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size. The false ceiling tiles are to be packed safely in to boxes of appropriate size without damage to the tiles. The above frame is required to be properly removed along with all the fittings etc complete as per directions of Engineer-in-charge. The material is to be loaded, transported , unloaded and properly stacked at sector-81, Main Campus at designated place . The quote	sqm		807.43	61.90	49983.55

	should include labour charges for removal, packing, loading, transportation, unloading, stacking, profits etc complete in all aspects.					
3	Dismantling of 18mm commercial board as wall panelling to all the column /wall surfaces with 1mm laminate finish. Along with frame work of kail wood batten 50X25mm duly treated for termite resistance including edge moulding margins of teak wood including the cost of loading, transportation, unloading and stacking at designated place complete without any damage.	Sq.mt		93.78	84.86	7958.03
4	Removal of 100mm teak wood skirting with melamine and necessary hardware design including removal, loading, transportation, unloading & stacking at place suggested by Engineer- in-charge.	RMT		28.95	70.94	2053.81
5	Dismantling of 12mm thick toughened glass doors and walls including removal, loading, transportation, unloading & stacking at place suggested by Engineer- in-charge.	SQ.mt		317.99	727.26	231261.41
6	Removal of Patch Fittings including loading, transportation, unloading and stacking etc complete					
a	WCP	Rmt		402.87	74.92	30184.03
b	Central connectors	Nos:		25.00	130.18	3254.50
c	Manet	Nos:		12.00	130.18	1562.16
7	Removal of Patch Fittings including packing, loading, transportation, unloading and stacking etc complete					
a	Top pivot	Nos:		1.00	130.18	130.18
b	Top patch	Nos:		16.00	130.18	2082.88
c	Bottom patch	Nos:		16.00	130.18	2082.88
d	Corner lock with EPC	Nos:		16.00	130.18	2082.88
e	D' pull handle (300 mm x 22 mm)	Nos:		17.00	130.18	2213.06
f	Floor spring	Nos:		16.00	220.92	3534.64
8	Removal, packing, loading, transportation, unloading and stacking of wash basin including waste coupling, angle cock, bottle trap, & Connection pipe etc all required to complete the work	Each		1	500.0	500.0

9	Removal, packing, loading, transportation, unloading and stacking of battery operated urinal including all connection pipe, necessary brackets, urinal integral battery operated sensor flush valve spreader, dome waste, bottle trap, etc.	Each		1	750	750.00
10	Removal, packing, loading, transportation, unloading and stacking Liquid soap dispenser.	Each		1	20	20.00
11	Removal, packing, loading, transportation, unloading and stacking Towel Ring CP Fitting approved as per site req.	Each		1	20	20.00
12	Removal, packing, loading, transportation, unloading and stacking of Looking mirror 6 mm thick 750x600 with fixed to edge bevelled with CP brass screws and washers.	Each		1	100	100.00
13	Removal, packing, loading, transportation, unloading and stacking in position best quality approved make Sink cock with swinging spout.	Each		1	100	100.00
14	Removal, packing, loading, transportation, unloading and stacking Glass gasket of glass door in edge side and top .	Rmt		98.8	10	988.00
15	Removal, packing, loading, transportation, unloading and stacking big-L and small - L Fitting for Glass Doors of reputed brands:- Design, fabrication and installation of door glazing fitting such as attached to be Top patch, to be provided as per side req.)					
a	Big-L for glass door	Each		5	130.18	650.9
b	Small-L for glass door	Each		15	130.18	1952.7
16	Removal, packing, loading, transportation, unloading and stacking S.S G/G Hinge (XL-C-5004) - Dorma for Toilet glass door .	Each		2	130.18	260.4

17	Removal, packing, loading, transportation, unloading and stacking of S.S G/G push/pull (2"x6") name plate seth for glass door in position best quality approved also available as per side req.	Nos		34	15	510.0
	Sub- Total Amount for 2nd Floor (C)					346044.22
	TOTAL (A+B+C)					12,40,024.2
	TOTAL AMOUNT AFTER ADDITION OF LABOUR CESS @1%					12,52,424/

NOTE:-

- Bidders should satisfy themselves about the site from which dismantling/removal of material is to be done, transportation distance, stacking site etc.
- The % age (+-) rates should be quoted in the abstract sheet in words and figures without any correction in it.
- All the serviceable items whether mentioned in BOQ or not are to be removed safely, loaded, transported, unloaded and stacked at location finalized by Engineer-in-charge at designated building, floor at NABI-CIAB, Main Campus, Sector-81, Mohali.
- The rates should be inclusive of all taxes, levies, labour, transportation, profits, etc without any exclusion as per NIT.

Stamp & Signatures of bidder