

INVITATION FOR BIDS



NAYA RAIPUR DEVELOPMENT AUTHORITY
BESIDE MAHANADI DWAR OF MANTRALAYA
RAIPUR (CHHATTISGARH) 492001

PH.NO.0771-4066011, FAX 0771-4066188, e-mail. ceo@nayaipur.com

NOTICE INVITING TENDER

NIT No.: 1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011

1. Naya Raipur Development Authority (NRDA) invites **Sealed ITEM-RATE tender** (Technical & financial both) from original manufacturer of modular office furniture for following work-

Name of work	Amount put to tender	EMD	Cost of Tender document	Completion period
DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, BOOK CASE, MODULAR STORAGE CABINETS, SLOTTED ANGLE ADJUSTABLE STORAGE RACKS & TABLE FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR.	Rs. 523.39 Lakh (inclusive of all taxes)	Rs. 10.00 Lakhs	Rs. 10000.00	08 (Eight) <i>weeks (including monsoon) from date of issue of workorder</i>

2. Blank tender form can be obtained from the office of the Chief Engineer, Engineering Section, NRDA, Govind Sarang Vyavsayik Parisar, RDA Building, New Rajendra Nagar, Raipur on submission of application along with cost of tender from **30.8.2011 to 07.9.2011** on all working days, during office hours. **Detailed Notice** can be down-loaded from NRDA's website www.nayaipur.com/www.chhattisgarh.nic.in. Amendment/Addendum / Corrigendum, if any, shall not be advertised in the newspapers, but shall be posted in the above website only.

Chief Executive Officer



DETAIL-NOTICE

NIT No.: 1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011

Name of work: DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, BOOK CASE, MODULAR STORAGE CABINETS, SLOTTED ANGLE ADJUSTABLE STORAGE RACKS & TABLE FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR.

Estimated cost of the work : Rs. 523.39 Lakhs (inclusive all taxes)

Completion period: 08 (Eight) weeks (including monsoon) from date of issue of workorder.

Amount of EMD: Rs. 10.00 Lakhs, Cost of tender document: Rs. 10000.00

1. **Naya Raipur Development Authority (NRDA)** invites Sealed Item-rate tender (Technical & financial both) from original manufacturer of the furniture for above work.

MANDATORY ELIGIBILITY CRITERIA-

- a) Tenderer should submit duly attested/certified by CA or Notarized copies of following documents-
 - i. at least 3years of Experience in DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING of similar items. (Incorporation & manufacturer certificate duly signed by CA should be enclosed).
 - ii. Average Annual Gross Turnover of Rs. 5 Crore in Last 3 Complete Financial Years (Audited Balance Sheet duly signed by CA Should be Enclosed).
 - iii. certified with ISO 9001:2000, ISO 14001:2004, OHSAS 18001:2007.
 - iv. certified copy of valid Factory Act registration & Excise registration.
 - v. Income Tax Return for the last 3 financial year.
- b) Tenderer should have carried out **One Similar Work of Value not Less than 80.00 Lakhs or Two Similar work each of Value Not Less than 50.00 lakhs** in the Last five Years with effect from 1st April 2006. [Similar items/works means DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, BOOK CASE, MODULAR STORAGE CABINETS, SLOTTED ANGLE ADJUSTABLE STORAGE RACKS & TABLE etc.] *in any central/state government/PSU and reputed multinational companies like Reliance/Tata/Cognizant Technology Solutions/Wipro/Infosys/companies of similar status*. (Dully attested/certified by CA or Notarized copies of Purchase order/work order, copy of TDS certificate for the workdone issued by the client & satisfactory Completion Certificate shall be submitted by the tenderer).
- c) Tenderer should produce supporting documents (Enclose dully attested/certified by CA or Notarized copies along with the Photographs) to confirm following **Plants and Machinery** to execute the work-
 - i. Computer Controlled Multi Stationed through fit edge binding machine capable of gluing, flush trimming, scrapping and trimming in one end trimming in one feed option.
 - ii. CNC controlled press from break for Steel metal Bending.
 - iii. Conveyorised Powder coating Plant with pre-treatment Mechanism.

2. The **Sealed tender document** duly filled in all respects will have to be submitted to NRDA's office in **3 envelopes (Envelope-1: EMD, Envelope-2: Technical bid & Envelope-3: Financial bid)** in the name of "The Chief Executive Officer, NRDA, Near Mantralaya Mahanadi Dwar, Raipur 492001, Chhattisgarh" on or before 20.9.2011 upto 16:00 hrs only. The technical bid shall be opened the same day, thereafter. *The complete documents to be submitted in Hardcopy & Softcopy (Microsoft Word or*

Excel) in a sealed envelope. However, in case of any discrepancies between the hard & soft copies, the hard copies shall prevail. Following information shall be written on top of the sealed envelope-

- i. **Name of work:** DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, BOOK CASE, MODULAR STORAGE CABINETS, SLOTTED ANGLE ADJUSTABLE STORAGE RACKS & TABLE for State Secretariat Building at Capitol Complex, Naya Raipur.
 - ii. **The address of submission-**The Chief Executive Officer, NRDA, Near Mantralaya Mahanadi Dwar, Raipur 492001, Chhattisgarh
 - iii. **Sender** Name, Address ,Phone no., Email ID
3. Amendment/Addendum/Corrigendum, if any, shall not be advertised in the newspapers, but shall be posted in the above website.

4. Tender Programme:

- a. Blank tender form can be obtained from the office of the **Chief Engineer, Engineering Section, NRDA, Govind Sarang Vyavsayik Parisar, RDA Building, New Rajendra Nagar, Raipur** on submission of application along with cost of tender from 30.8.2011 to 07.9.2011 on all working days during office hours.
- b. Last date of Submission of Queries: upto 12.9.2011
- c. Reply of Queries /Issue of corrigendum (If any): 13.9.2011 through email and posted in NRDA website only.
- d. Last date of submission of sealed tender: 20.9.2011 upto 15:00 hours
- e. Opening of technical bid: 20.9.2011 after 16:00 hours.
- f. Date of Mockup: 22.9. 2011 at SSB site
- g. Evaluation of mock up & technical bid: 23.9.2011
- h. Opening of price bid: 24.9.2011 (tentative)

MODE OF SELECTION

The Selection of tenderer shall be based on grading system in all the following stages with maximum weightage.-

Stage: I - Technical-bid & Mockup and it's technical workshop, drawings & detailed specifications - 100%

(A) The mock up for the following item shall be done at site on the specified date above -

1. Compactor 2, (SL+2 Nos. TM+SS), 2 BAY
2. CR2
3. CR3
4. CR5
5. CR7

6. Besides the above mock-ups, workshop, drawings & their detailed specifications shall also be provided.

(B) Mock-up shall be removed from site only after the opening of Financial bid. However in case of the tenderer quoting lowest, the mock-up shall remain with NRDA till completion of project.

(C) **Evaluation Committee (EC) of NRDA will evaluate this stage as per the design parameters, specification and overall presentation. On the basis of the mock up, it's evaluation and review, if the committee feels a need for revision in some of the specification or design parameter, the same shall be notified to all those adjudged qualified and they will be given an option to revise their financial bid. The decision of the EC in this regard shall be final and binding.**

Stage: II - Price-bid- 100%

The price bid in respect of the bidder qualified in stage I shall only be opened.

- Volume – II Technical Specifications
- Volume – III Price Bid
- Volume – IV Drawings
- Volume – V Addendum/ Corrigendum (if any)

6. The offer shall be submitted in **separate sealed envelopes** as indicated in Section I (Method of Submission and opening of tenders) of Volumes-I, in office of Chief Executive Officer, NRDA, Near Mantralaya Mahanadi Dwar, Raipur 492001, Chhattisgarh.

Detailed Tendering Programme is enclosed with this letter for your reference.

7. NRDA reserves full rights to reject any or all the tenders without assigning any reason and selection shall be at the entire discretion of the NRDA and the NRDA's decision in this respect shall be final and binding. Further NRDA reserves right to split each contract in two or more parts without any compensation for reducing the cost of project. This shall be at the entire discretion of the NRDA and the NRDA's decision in this matter shall be final and without appeal.
8. The offer shall remain open for 150 (one hundred fifty) days from the date of submission of the tenders.

Thanking you,

Yours faithfully,

Sd/-

Chief Executive Officer, NRDA

Near Mantralaya Mahanadi Dwar,

Raipur 492 001, Chhattisgarh

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TENDERING PROGRAMME

Key Dates:

1	27.8.2011	-	Issue of NIT
2	30.8.2011 to 07.9.2011	-	Sale of Tender document by Engineering Section
3	12.9.2011	-	Last date of submission of queries
4	13.9.2011	-	Date of Reply of queries/corrigendum (if any)
5	20.9.2011	-	Last date of submission of tender and Opening of technical bid
6	22.9.2011	-	Date of Mock-up
7	23.9.2011	-	Evaluation of mock up & technical bid
8	24.9.2011	-	Opening of Price-bid (tentative)

The tender program for the above works as under:

NIT No:	1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011
Estimated Cost	Rs. 523.39 Lakhs (Rupees five crores twenty three lakhs and thirty nine thousand only approx.) (inclusive all taxes)
EMD	Rs. 10.00 lacs. (Rupees ten lacs) Note: The EMD shall be payable in favour of Chief Executive Officer, NRDA in the form of a Bank Guarantee drawn on a nationalized bank and operatable in Raipur, Chhattisgarh which will be valid for a period of 6 (six) months from the date of submission of the bid.
Time Period	08 (Eight) weeks including monsoon from the date of issue of the Work Order.

- 1) Blank tender form can be obtained from the office of the Chief Engineer, Engineering Section, NRDA, Govind Sarang Vyavsayik Parisar, RDA Building, New Rajendra Nagar, Raipur on submission of application along with cost of tender from 30.8.2011 to 07.9.2011 on all working days, during office hours.
- 2) Price of blank tender documents (non-refundable) Rs 10000.00 (Rupees ten thousand only) to be paid by Cash/ Demand Draft drawn in favour of Chief Executive Officer, NRDA payable at Raipur, Chhattisgarh along with the application for issue of tender documents.
- 3) For the purpose of clarity of drawings, should any tenderer require soft copies, the same may be collected from the office of the Architect, with prior intimation, at the address of **Aakriti Architects, 2/140, Jogendra Garden, Bosepukur, Purbopara, Kolkata – 700078. Ph: 033 2441 5991, Mob: 9051080222.**

However, in case of any discrepancies between the hard & soft copies, the hard copies issued by NRDA shall prevail.

- 4) Submission of queries in the format as per Proforma 1 in Section II of Volume I to the CE (Engg), NRDA, on or before 12.9.2011 for discussion in pre- tender meeting. A copy of the queries shall be additionally forwarded to the Architect at the above address and also by e-mail at the following addresses: aakriti.nrda@gmail.com, shantanuab@yahoo.com, bksq.arp.iitkgp@gmail.com.
- 5) **Issue of Corrigendum, if any : On 13.9.2011 or earlier, if possible**
- 6) Date of receipt of Sealed Tenders: **20.9.2011** upto **15.00 hours** in the office of the Chief Executive Officer, NRDA, Near Mantralaya, Raipur 492 001, Chhattisgarh.
- 7) Opening of the Envelope No. 1 & 2 i.e. EMD & Technical Bid in the office of the Chief Executive Officer, NRDA, Near Mantralaya Mahanadi Dwar, Raipur 492 001, Chhattisgarh on the same day as the date of receipt of Sealed Tenders

Signature of Contractor..... Page 6 of 20

Signature of NRDA.....

after **16.00 hours**, if possible.

- 8) Tenderer should require to present Mock up of all specified types of modular furnitures as per drawings & specifications mentioned in the issued tender documents. Mock up shall be presented at site address –
State Secretariat Building, Naya Raipur, Chhattisgarh.

Tenderer shall depute representative having complete knowledge to explain their product in detail.

Tenderer shall organize & bear all cost of mock up material, illumination arrangement, power generator, transport, loading, unloading, security, etc.

The mock up for the following item shall be done at site on the specified date above -

1. Compactor 2, (SL+2 Nos. TM+SS), 2 BAY
2. CR2
3. CR3
4. CR5
5. CR7
6. Besides the above mock-ups, workshop, drawings & their detailed specifications shall also be provided.

Mock-up shall be removed from site only after the opening of Financial bid. However in case of the tenderer quoting lowest, the mock-up shall remain with NRDA till completion of project. NRDA shall not be held responsible for any damage or theft of material.

Evaluation Committee (EC) of NRDA will evaluate this stage as per the design parameters, specification and overall presentation. On the basis of the mock up, it's evaluation and review, if the committee feels a need for revision in some of the specification or design parameter, the same shall be notified to all those adjudged qualified and they will be given an option to revise their financial bid. The decision of the EC in this regard shall be final and binding.

- 9) Opening of the Envelope No. 3 i.e. Price Bid, for qualified applicants, shall be intimated to the successful tenderers separately.
- 10) Chief Executive Officer, NRDA, Raipur reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Sd/-
Chief Executive Officer, NRDA
Near Mantralaya Mahanadi Dwar,
Raipur 492 001, Chhattisgarh

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SECTION 1: VOLUME II : TECHNICAL SPECIFICATION	
NIT No.: 1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011	
NAME OF WORK: DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, TABLE, MODULAR STORAGE CABINETS & SLOPED ANGLE ADJUSTABLE STORAGE RACKS FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR.	
	Contractor shall display specified items during mockup.
	Contractor shall take approval of all finishes for color/shade before submitting samples for approval.
	Contractor shall submit all samples, workshop drawings and test certificates for approval from NRDA for each item before manufacturing.
1	COMPACTOR
	Compactor shall consists of storage units fixed or movable – bolted to Undercarriage which rolls onto the channels, which, are firmly embedded to the ground. Rigid Knock Down construction.
	The 2 and 3 Bay compactor shall move on a pair of channels.
	Compactor Drive type – 2 and 3 Bay TYPE- D2, knock down drive type. Movement of units shall be achieved mechanically through a PU Drive wheel and ‘Sprocket-Chain-Tensioner’ arrangement mounted rigidly onto body side. Each movable undercarriage shall be provided with 2 Rollers on the shaft for driving, 2 antifriction ball bearing for rolling and 4 antifriction ball bearing for guiding between rail.
	Main Body Construction
	1. Rigid Knock Down construction made out of 0.8 thk. CRCA Steel conforming to IS: 513
	2. Each body block (SS/SL/TM) building shall consists of 1 Main unit & then one no. Add-on unit.
	3. Each unit shall have 5 loading levels formed by 4 nos. adjustable shelves.
	4. Body units are to be bolted to undercarriage.
	5. Each storage unit shall have individual hinged doors with locking system and made of 0.8thk CRCA steel confirming to IS: 513. Hinged door have recessed Die cast Handle cum lock giving 3 way locking through a lever & shooting bolts. Each individual stoarge unit shall have label holder for displaying name tag.
	Shelf Construction:
	1. Shelf shall be made up of 0.8 thk CRCA steel conforming to IS: 513
	2. Its max load bearing capacity shall be more than 70Kg uniformly distributed.
	3. Shelves are to be mounted on support brackets & shelf level can be adjusted
	4. There shall be 4 adjustable shelves per body giving 5 loading levels.
	Main Body and shelf finish:
	1. Antirust surface treatment shall be given to the bodies and shelves
	2. Final finish shall be of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns.
	Undercarriage Construction: The Undercarriage is a welded frame made of HR sheet conforming to IS:10748 suitably fabricated to take the loads based on configuration.
	Undercarriage Finish: The undercarriage, after pre-treatment, shall be coated with final finish consisting of epoxy polyester powder coat of approved color & shade with a Dry Film Thickness of minimum 40 microns.
	Centralized Locking: A Centralized locking arrangement shall be provided onto back of Single Last unit so that it gets locked on channels when all the units are brought together.

SECTION 1: VOLUME II : TECHNICAL SPECIFICATION	
NIT No.: 1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011	
NAME OF WORK: DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, TABLE, MODULAR STORAGE CABINETS & SLOTTED ANGLE ADJUSTABLE STORAGE RACKS FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR.	
	The handle lock shall be placed at suitable height. Each Drive type units shall have Locking Knob near the Drive wheel for manual locking of individual units when a person is using those units. Knob shall be rotated to unlock position when units are to be moved. After the unit is moved, before entering into aisle for accessing, this knob shall be rotated to lock position. End stoppers are provided at the end of channels to prevent derailment.
	Guide Channels: It shall consists of 'J' section HR sheet & square bright bar.
	Fasteners: The nuts & bolts are to be galvanized / blackodized / Zn Plated.
	Label Holder: It shall be made from clear transparent Acrylic sheet.
	Colour finish: All colour finish and shade shall be approved by NRDA before manufacturing.
	Height of Compactor from floor level = 2100mm (1950mm body ht. + ht. of undercarriage + ht. of channel system).
	Aisle Width = 900mm.
1.1	Storage Unit (Body) sizes:
	1. Single Static (SS), 2 Bay
	Main = 750mm(L) x 450mm(D) x 1950mm(H)
	Add On = 1 no. x 750mm(L) x 450mm(D) x 1950mm(H)
	Main + Add on = 1500mm(L) x 450mm(D) x 1950mm(H)
	2. Single Last (SL), 2 Bay
	Main = 750mm(L) x 450mm(D) x 1950mm(H)
	Add On = 1 no. x 750mm(L) x 450mm(D) x 1950mm(H)
	Main + Add on = 1500mm(L) x 450mm(D) x 1950mm(H)
	3. Twin Mobile(TM), 2 Bay, 2 body back to back, both side accessible
	Main = 750mm(L) x 900mm(D) x 1950mm(H)
	Add On = 1 no. x 750mm(L) x 900mm(D) x 1950mm(H)
	Main + Add on = 1500mm(L) x 900mm(D) x 1950mm(H)
1.2	Storage Unit (Body) sizes:
	1. Single Static (SS), 3 Bay
	Main = 900mm(L) x 450mm(D) x 1950mm(H)
	Add On = 2 no. x 900mm(L) x 450mm(D) x 1950mm(H)
	Main + Add on = 2700mm(L) x 450mm(D) x 1950mm(H)
	2. Single Last (SL), 3 Bay
	Main = 900mm(L) x 450mm(D) x 1950mm(H)
	Add On = 2 no. x 900mm(L) x 450mm(D) x 1950mm(H)
	Main + Add on = 2700mm(L) x 450mm(D) x 1950mm(H)
	3. Twin Mobile(TM), 3 Bay, 2 body back to back, both side accessible
	Main = 900mm(L) x 900mm(D) x 1950mm(H)
	Add On = 2 no. x 900mm(L) x 900mm(D) x 1950mm(H)
	Main + Add on = 2700mm(L) x 900mm(D) x 1950mm(H)
2	RACKS
	CR1

SECTION 1: VOLUME II : TECHNICAL SPECIFICATION

NIT No.: 1261/MOD-3/Engg.Section/NRDA/2011-2012, Raipur, dated: 27.8.2011

NAME OF WORK: DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, TABLE, MODULAR STORAGE CABINETS & SLOTTED ANGLE ADJUSTABLE STORAGE RACKS FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR.

2.1	Both side accessible open rack for library
	Size: 900mm(L) x 600mm(D) x 1900mm(H). The height shall be inclusive of skirting.
	Construction: Rigid knockdown construction. Back panel shall be upto bottom of third rack for additional rigidity.
	Material:
	1. Racks, Back Panel & Skirting shall be CRCA 0.8mm thickness of approved make and finish.
	2. Side panels shall be 25mm thk. prelaminated particle board (wood based only) of exterior grade as per IS 12823:1990 (IS 3087:2005). All exposed & balancing laminates should be 0.6-0.8mm thick. All lipping should be of PVC edging of 2 mm thickness on all edges.
	Finish: Colour finish of laminate shall be as per the approval of NRDA .Metal panels shall be Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). The colour finish of metal panel shall be as per NRDA approval.
	Number of racks: There shall be bottom plus four fixed racks on each side (Total 10 Loading levels). For stiffening of the racks beading shall be provided. Uniformly Distributed Load Capacity per each full shelf shall be 80 Kg maximum. Contractor shall submit test certificates to confirm maximum UDL capacity of rack.
Rack back stiffener: At the rear side of the racks back stiffeners shall be provided. These shall support books on the rear side & also act as divider between front & rear books in upper two compartments.	
Label holder: Label Holder shall be made from clear transparent Acrylic sheet and fixed at each loading levels for identification.	
2.2	CR2
	One side accessible closed metal rack (Bookcase) for library
	Size: · 900mm (W) x 320 mm (D) x 1800 mm (H), 4 nos. Door. The height shall be inclusive of skirting.
	Construction & Material: Rigid Knock down construction. The whole body including door shall be made up of CRCA Steel - Panels & Frame from 0.8 mm thick.
	Configuration (Doors): 4 door
	Door Features / Locking: Each Door shall be fitted with 10 Lever Cam lock with common key. Each Door shall have 3 mm Thk transparent glass for clear inside vision secured in a Metal Frame through rubber gasket· Each door shall have a Scissor mechanism for receding inside the top of respective compartment & ensures parallel & smooth movement. Each door shall have Plastic side end caps as Handle which is easy to grip
	Storage Shelving: Each compartment shall have storage shelf· Uniformly Distributed Load Capacity per each shelf shall be 80 Kg maximum. Contractor shall submit test certificates to confirm maximum UDL capacity of rack.
	Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). The finish colour shall be as per NRDA.
Label holder: Label Holder shall be made from clear transparent Acrylic sheet and fixed at each loading levels for identification.	
2.3	CR3 and CR4
	Both side accessible open rack CR3 for record room

SECTION 1: VOLUME II : TECHNICAL SPECIFICATION	
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	Both side accessible open rack CR4 for Vault room
	Size: 900mm(L) x 600mm(D) x 1900mm(H). The height shall be inclusive of skirting.
	Construction: Rigid knockdown construction. Back panel shall be upto top level.
	Material:
	1. Racks, Back Panel & Skirting shall be CRCA 1.0 mm thickness of approved make and finish.
	2. Side panels shall be 25mm thk. prelaminated particle board (wood based only) of exterior grade as per IS 12823:1990 (IS 3087:2005). All exposed & balancing laminates shall be 0.6-0.8mm thick. All lipping shall be of PVC edging of 2 mm thickness on all edges.
	Finish: Colour finish of laminate shall be as per the approval of NRDA .Metal panels shall be Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). The colour finish of metal panel shall be as per NRDA approval.
	Number of racks: There shall be bottom plus four fixed racks on each side (Total 10 Loading levels). For stiffening of the racks beading shall be provided. Uniformly Distributed Load Capacity per each full shelf shall be 100 Kg maximum. Contractor shall submit test certificates to confirm maximum UDL capacity of rack.
	Label holder: Label Holder shall be made from clear transparent Acrylic sheet and fixed at each loading levels for identification.
2.4	Personal Locker Unit, CR5
	Size- 380mm (W) X 450MM (D) X 1830mm (H) DMX Drg- PL13-A4-33797, R1- 4 Sheets (Cam Lock) DMX Drg. PL13-A4-36467, R1 – 4 Sheets (Hasp)
	Models - 6 Door
	Stackability - The add- on units can be stacked width wise to form bank of lockers having common side panel.
	Locking - 10 Lever cam lock with lock lever Option of hasp arrangement
	Material- CRCA 0.6 mm thickness of approved make and finish.
	Construction – Rigid knockdown construction
	Shelf - Uniformly Distributed load capacity per each shelf level is 35 kg maximum.
	Hal Shelf - Only for 1 Door Model at the top
	Hanging Rod – For 1 Door- Below Hat Shelf, For 2 Door- 1 Hanging Rod in both compartment.
	Finish - Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). The colour finish of metal panel shall be as per NRDA approval.
	Handle/Label holder – Aesthetically appealing Snap fit ABS plastic handle. Plastic label holder for identification.
	Ventilation - Attractive punched pattern for ventilation.
	Accessories (Optional) – Stand for 1 wide, 2 wide and 3 wide- 125 mm high (add to unit height) inclusive of Leveler.
2.6	CR7
	Metal slotted angle adjustable open rack for all storage rooms.
	Size: · 900mm (W) x 450 mm (D) x 2100 mm (H). The height shall be inclusive of skirting.
	Construction. Rigid Knock down construction.
	Material: All supporting members for bottom rack, adjustable racks, top and both sides shall be of slotted angles made up of CR steel compliance with IS 573-1963 and 1079-1973 norms. All racks

SECTION 1: VOLUME II : TECHNICAL SPECIFICATION	
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	shall be of CRCA sheet . Nuts, bolts and washers shall be electro galvanized in compliance with IS:3655-1966.
	Finish: All slotted angles and racks (complete metal work) shall be finished with Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). The colour finish of metal panel shall be as per NRDA approval.
	Number of racks: There shall be fixed bottom rack plus four adjustable racks (5 loading levels). Uniformly Distributed Load Capacity per each full shelf shall be 100 Kg maximum. Contractor shall submit test certificates to confirm maximum UDL capacity of rack. In each rack 2 nos. 440x150mm CRCA plate shall be provided with necessary nut & bolts.
	Label holder: Label Holder shall be made from clear transparent Acrylic sheet and fixed at each loading levels for identification.
3	CAFÉ TABLE
3.1	Café table for Secretary block
	Table top shall be made up of 12mm thk. toughened glass with all edges polished and 1 inch bevelled.
	The base of the table shall be made up of 0.8 mm thk brushed finished stainless steel square or round section bar as per dwg. There shall be heavy duty rubber buffer under the legs touching the floor.

SECTION II

LIST OF APPROVED MAKES OF MATERIAL/AGENCIES

Only one of the under mentioned makes of equipment/materials will be acceptable. Although the acceptable makes are given, the contractor shall submit samples of all materials (other than heavy equipment) and obtain approval of NRDA for the make of each item before ordering the same. **This condition is also applicable to all items equipment/materials for which makes are not given in these specifications.**

Tender price shall be applicable to all the makes of equipment/materials indicated in the list. Selection of equipment/material before procurement shall be got approved from the Chief Engineer, NRDA.

Sl. No.	Item	Make/Agency
1	Prelaminated particle board (wood based only) should be of exterior grade as per IS 12823:1990	Archid Ply, Bhutan Board, Century, Balaji Action Tesa, Shirdi ASIS
2	Prelaminated medium density fibre (MDF) board (wood based only) should be of exterior grade as per IS 12406: 2003 (IS 14587: 2008)	Century, Duratuff (Manglam timber), Green Ply, Archid Ply
3	Laminate (External/ Balancing)	<i>Formica, Decolam, Greenlam, Century</i>
4	PU polish	<i>Italian ICA, Asian Opel or equivalent</i>
5	Malamine polish	<i>PC 742 or 743 of Asian paint or approved equivalent make.</i>
6	Oil /Emulsion paint	<i>ICI, Asian, Nerolac, Burger</i>
7	Wood Primer Paint	<i>ICI, Asian, Nerolac, Burger</i>
8	Glass/Toughened glass/Mirror	<i>Modi Guard, Saint Gobai, Pilkington</i>
9	Adhesive	<i>Fevicol SH, Araldite of Hindustan Ciba Geigu Ltd, Vamicol or equivalent</i>
10	Preservatives	<i>Wood guard, Termiseal, Solignam, Black Japan or approved equivalent make.</i>
11	Screws (Oxidized)	<i>Nattlefold, GKW or approved equivalent make.</i>
12	CRCA Steel	<i>Tata steel, Bhushan Steel, Uttam Galva, SAIL</i>
13	Aluminium	<i>Hindalco, Nalco, Jindal</i>
14	Adhesive for woodwork, Boards, Ply, Laminate work, Veneering	<i>Fevicol (SR 998), Fevicol (MARINE)</i>
15	Levellers	<i>Win plastic, Narke</i>
16	All Hardwares	<i>Dorma, Hafele, Hettich, Blum</i>
17	Wires	<i>Finolex, Polycab</i>

Signature of tenderer with seal:

Date:

BOQ

Name of work: DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF COMPACTORS, LIBRARY RACKS, BOOK CASE, MODULAR STORAGE CABINETS, SLOTTED ANGLE ADJUSTABLE STORAGE RACKS & TABLE FOR STATE SECRETARIAT BUILDING AT CAPITOL COMPLEX, NAYA RAIPUR

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	All rates should be inclusive of all tax components, duties, delivery, etc.				
	The rate shall be inclusive of variation upto +/- 10% of dimensions of sizes of following items unless otherwise specified.				
	DESIGNING, MANUFACTURING, SUPPLYING, ASSEMBLING, TESTING AND COMMISSIONING OF FOLLOWING ITEMS-				
1	COMPACTOR				
1.1	Compactor at Section Block				
	Refer following dwgs				
	IIT/NRDA/INT/TD/SSB/SB/GF/01				
	IIT/NRDA/INT/TD/SSB/SB/FF/01				
	IIT/NRDA/INT/TD/SSB/SB/SF/01				
	IIT/NRDA/INT/TD/SSB/SB/TF/01				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
	Refer technical specification no. 1.1				
1.1.1	Compactor - 1, (SL + 1 No. TM + SS), 2 bay	no.	36.00		
	Rate in word Rupees.....				
1.1.2	Compactor - 2, (SL + 2 No. TM + SS), 2 bay	no.	rate only		

Signature of Contractor..... Page 14 of 20

Signature of NRDA.....

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	Rate in word Rupees.....				
1.1.3	Compactor - 3, (SL + 3 No. TM + SS), 2 bay	no.	44.00		
	Rate in word Rupees.....				
1.1.4	Compactor - 4, (SL + 4 No. TM + SS), 2 bay	no.	28.00		
	Rate in word Rupees.....				
1.1.5	Compactor - 5, (SL + 5 No. TM + SS), 2 bay	no.	rate only		
	Rate in word Rupees.....				
1.2	Compactor at Minister Block				
	Refer following dwgs				
	IIT/NRDA/INT/TD/SSB/MB/01				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
	Refer technical specification no. 1.1				
1.2.1	Compactor - 2, (SL + 2 No. TM + SS), 2 bay	no.	1.00		
	Rate in word Rupees.....				
1.3	Compactor at Ancillary Block				

Signature of Contractor..... Page 15 of 20

Signature of NRDA.....

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	Refer following dwgs				
	IIT/NRDA/INT/TD/SSB/AB/02				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
1.3.1	Compactor - 3, (SL + 3 No. TM + SS), 2 bay	no.	1.00		
	Refer technical specification no. 1.1				
	Rate in word Rupees.....				
1.3.2	Compactor - 6, (SL + 6 No. TM + SS), 3 bay	no.	5.00		
	Refer technical specification no. 1.2				
	Rate in word Rupees.....				
1.3.3	Compactor - 8, (SL + 8 No. TM + SS), 2 bay	no.	1.00		
	Refer technical specification no. 1.1				
	Rate in word Rupees.....				
2	RACKS				
2.1	CR1	no.	42.00		

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	Both side accessible open rack for library				
	Refer technical specification no. 2.1				
	Refer following dwgs				
	Rate in word Rupees.....				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
2.2	CR2	no.	132.00		
	One side accessible closed metal rack (Bookcase) with glass door for library				
	Refer technical specification no. 2.2				
	Refer following dwgs				
	Rate in word Rupees.....				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
2.3	CR3	no.	98.00		
	Both side accessible open rack for record room				

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	Refer technical specification no. 2.3				
	Refer following dwgs				
	Rate in word Rupees.....				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
2.4	CR4	no.	32.00		
	Both side accessable open rack for vault room				
	Refer technical specification no. 2.3				
	Refer following dwgs				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
	Rate in word Rupees.....				
2.5	Personal Locker Unit, CR5	no.	6.00		
	Metal personal locker (6 door) with high security locking system				
	Refer technical specification no. 2.4				

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	Rate in word Rupees.....				
2.6	CR7	no.	136.00		
	Metal slotted angle adjustable open rack for all storage rooms. In each rack 2 nos. 440x150mm CRCA plate shall be provided with necessary nut & bolts.				
	Refer technical specification no. 2. 6				
	Refer following dwgs				
	Rate in word Rupees.....				
	IIT/NRDA/INT/TD/SSB/AB/01				
	IIT/NRDA/INT/TD/SSB/AB/02				
	IIT/NRDA/INT/TD/SSB/AB/03				
	IIT/NRDA/INT/TD/SSB/AB/04				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
3	CAFÉ TABLE				
3.1	Café table for Secretary block				
	Refer technical specification no. 3.1				
	Refer following dwgs				

S. NO.	Description	Unit	Quantity	Rate(INR)	Amount(INR)
	IIT/NRDA/INT/TD/SB/S4a/01				
	IIT/NRDA/INT/TD/SSB/AMSB/MISC/02				
3.1.1	café table, size = 750mm x 750mm x 750mm(H)	no.	1.00		
	Rate in word Rupees.....				
3.1.2	café table, size = 900mm x 900mm x 750mm(H)	no.	3.00		
	Rate in word Rupees.....				
3.1.3	café table, size = 2250mm x 900mm x 750mm(H)	no.	2.00		
	Rate in word Rupees.....				
TOTAL AMOUNT					
Total Amount in word Rupees.....					