NAYA RAIPUR DEVELOPMENT AUTHORITY

Tender Document for the
Provisioning and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur

(Following Three-Envelope Tender Procedure)

2nd call

TENDER DOCUMENT (PART ONE)

NIT No.: 42 /Comp-F/EEC-III/CE (E)/NRDA/2015-16, Raipur, Dated: 20.11.2015

Issued by: Chief Executive Officer,
Naya Raipur Development Authority (NRDA)
1st Floor, Utility block, Capitol Complex, Sector- 19,
Naya Raipur- 492 002, Chhattisgarh
Tel No: +91 771 2511500; Fax No.: +91 771 2511400.
Website: www.nayaraipur.gov.in
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

Tender Document Contains

(a) Only schedule “A” and Section-I of schedule “D” are to be filled & signed by the tenderer
(b) All the certificates as per pre qualification criteria shall be appended with relevant forms of schedule”D”

1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)
   Part (A)
   a) Press Notice
   b) Detailed NIT
   Part (B)
   a) Schedule-A
      (i) Cost Abstract
      (ii) Bill of Quantities
   b) Schedule-B –NIL
   c) Schedule-C –NIL
   d) Schedule-D
      Section-I………………… Technical tender forms
         (i) Letter of Technical Tender
         (ii) Tenderer’s Information Sheet
         (iii) Annual Turnover
         (iv) Specific Construction Experience
         (v) Declaration
         (vi) Check list for Technical tender evaluation
      Section –II …………………Scope of work
      Section –III………………... Technical specifications of work
      Section –IV………………… Special Conditions of Contract
      Section –V……………….. List of approved makes.
      Section –VI………………. Drawings
   e) Schedule-E
   f) Schedule-F

2. PART TWO (NRDA F-2/3) )-Standard form (Not Attached herewith, and not to be submitted along the tender)
   1. General Guidelines
   2. Tender
   3. General rules and directions
   4. Conditions of contract
   5. Clauses of contract
   6. Model rules relating to labour, water supply and sanitation in labour camps safety code
   7. Sketch of cement Godown
   8. Contract forms
      (a) Draft Format for Performance Security
      (b) Earnest Money Deposit Form (Bank Guarantee)
      (c) Format of Contract Agreement
      (d) Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works
      (e) Indemnity Bond
      (f) Indenture Bond
      (g) Notice for Appointment of Arbitrator
   9. Proforma of schedules (Schedule ’A’ to Schedule ’F’)

Signature of Contractor…………………………………… Signature of NRDA……………………………………
Sealed tenders are invited from Specialized manufacturing agencies, who fulfill the Pre-Qualification criteria, for the work as detailed below:

<table>
<thead>
<tr>
<th>Time allowed inc. rainy season</th>
<th>Estimated Cost (INR Crore)</th>
<th>EMD (INR Lacs)</th>
<th>Cost of Tender Doc. (INR)</th>
<th>Avg. Annual turnover in last three financial years (INR Crore)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Work: - Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur.</td>
<td>2 Months</td>
<td>2.78</td>
<td>2.80</td>
<td>10,000</td>
</tr>
<tr>
<td>NIT No. 43 /Comp-F/EEC-III/CE (E)/NRDA/2015-16, Raipur, Dated: 20.11.2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Work: - Providing and installation of Chairs for Paryavas Bhawan at Sector 19 of Naya Raipur.</td>
<td>2 Months</td>
<td>1.23</td>
<td>1.25</td>
<td>5,000</td>
</tr>
</tbody>
</table>

Bids are invited in three envelope system. Eligibility and qualification criteria are available in the detailed NIT. Tender documents can be downloaded from the website www.nayaraipur.gov.in. While submitting the tender, the tenderer should submit documentary proof in support of eligibility and qualification. Duly completed documents shall be submitted by speed post/registered post/ courier so as to reach the office latest by 15.00hrs on 02.12.2015. Technical Documents shall be opened thereafter on same day after 16.00hrs. Amendment in tender, if any, will only be uploaded on the website and shall not be published in any newspaper.

Chief Executive Officer
NRDA F-1 – Detailed NIT
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

NAYA RAIPUR DEVELOPMENT AUTHORITY NRDA) RAIPUR, CHHATTISGARH

DETAILED NIT

NIT No.: 42 /Comp-F/EEC-III/CE (E)/NRDA/2015-16, Raipur, Dated: 20.11.2015

Last date and time for submission of tenders: 1500 hrs on 02.12.2015

1. Item Rate Tenders are invited in the prescribed tender documents by the Chief Executive Officer, Naya Raipur Development Authority (NRDA), Raipur Chhattisgarh from Specialized manufacturing agencies who fulfill the Pre-Qualification criteria,

2. The detailed NIT is as under:-

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Cost (INR in Crore.)</td>
<td>2.78</td>
</tr>
<tr>
<td>EMD (INR in Lacs)</td>
<td>2.80</td>
</tr>
<tr>
<td>Time allowed including rainy season</td>
<td>02 months</td>
</tr>
<tr>
<td>Cost of Tender (In INR)</td>
<td>10,000.00</td>
</tr>
<tr>
<td>Tender to be uploaded on NRDA website to enable download</td>
<td>20-11-2015</td>
</tr>
<tr>
<td>Pre tender Clarification/ amendments</td>
<td>Available in the NRDA Website</td>
</tr>
<tr>
<td>Last Date and time of submission of Tender</td>
<td>02-12-2015 at 15.00Hrs</td>
</tr>
<tr>
<td>Date and time of opening of Tender</td>
<td>02-12-2015 at 16.00Hrs</td>
</tr>
<tr>
<td>Date of Mock-up</td>
<td>07-12-2015</td>
</tr>
</tbody>
</table>

Intended eligible Tenderers may obtain further information from the office of Employer and inspect the Tender Document at, NRDA Raipur from 11 AM to 4 PM on all working days.

3. Pre Qualification Criteria - To be eligible under the contract, the intending tenderer should meet the following mandatory criteria 4.1 and 4.2 (A & B):

3.1 Financial Criteria

Average Annual Turnover: Minimum average annual gross turnover of the bidder shall be INR 5.60 Crore during last three complete financial years of FY (i.e.2011-12, 2012-13, 2013-14 & 2014-15). Certificate of Profit Making Firm and should not have made loss in the last Two Financial Year. (Audited Balance Sheet duly signed by CA Should be Enclosed). In case the accounts are not audited for the year 2014-15, the turnover certified by the CA will be accepted.

Annual turnover is total certified payments received for contracts in progress or completed during the financial year

For above, the Tenderer has to submit audited balance sheets of their financial turn over/ accounts along with profit and loss account for the last three(3) years, along with the Tender. Where necessary, the Employer can make enquiries with the Tenderer’s Bankers.
### 3.2 Technical Criteria

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td>Intending tenderer should have</td>
</tr>
<tr>
<td>(a)</td>
<td>At least 5 years of Experience in Manufacturing of Modular office Furniture. (Incorporation certificate duly signed by CA / Notarized should be enclosed)</td>
</tr>
<tr>
<td>(c)</td>
<td>Certified copy of membership of BIFMA.</td>
</tr>
<tr>
<td>(d)</td>
<td>Certified copy of Valid Factory Act registration, EPF/ESIC registration, Excise registration.</td>
</tr>
</tbody>
</table>

**AND**

|   | Intending tenderer Should have completed satisfactorily following works during last seven years i.e after 31/10/2008, in any Central/ State Govt/ Local Body/ PSUs / reputed multinational companies like Reliance/Tata/Cognizant Technology Solutions/Wipro/Infosys/companies of similar status as below: |-|----------------------------------|
|   | (a) One similar work costing not less than INR 222.40 lacs. |
|   | OR |
|   | (b) Two similar work costing not less than INR 139.00 lacs each. |

**B**

Intending tenderer should produce supporting documents (Enclose duly attested/certified by CA or Notarized copies along with the Photographs) to confirm following Plants and Machinery to execute the work-

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>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.</td>
</tr>
<tr>
<td>(b)</td>
<td>Hot Press for Laminated Pressing with post form facility</td>
</tr>
<tr>
<td>(c)</td>
<td>CNC controlled press from break for Steel metal Bending.</td>
</tr>
<tr>
<td>(d)</td>
<td>Conveyorised Powder-Coating plant with pre-treatment Mechanism.</td>
</tr>
</tbody>
</table>

**Note:**

a) **Similar work shall mean a project consisting of Providing and installation of Furniture’s for office Building in a Single Contract. (Purchase order/work order & satisfactory Completion Certificate shall be duly attested/certified by CA or Notarized copies)**

b) **For the purpose value of executed works and financial turnover shall be bought to current costing level by enhancing the actual value of work at the rate of 10% per annum (compounded annually), calculated from the date of completion to last date of receipt of applications for tenders.**

c) **Ongoing project / part project experience shall not be considered for evaluation.**

d) **For the benefit of the intending tenderer’s a checklist is enclosed at Schedule-D (vi), for the documents to be submitted along with tender.**

e) **Apart from above mentioned list of machineries and plants, bidder has to submit an undertaking for having arrangements of all necessary machineries and plants required for satisfactory completion of project.**

f) **Those bidders, who have submitted their bids in 1st call of this work, do not need to submit Earnest Money and cost of tender as mentioned in the Para 2 above, but Those who are participating the first time in bid process, shall have to submit Earnest money and Cost of tender as mentioned in the Para 2 above.**

g) **Before dispatch of material bidder has to fulfill the testing requirement as per ANSI/BIFMA e3-2014e Certificates:**

a) All tenderers should submit the valid registration certificate. Commercial tax certificate, balance sheet with profit and loss statement for at least 3 years.
b) The tenderers shall also submit satisfactory completion certificates in support of each quoted experience along with work order. The satisfactory completion certificate should be signed by an officer not below the rank of Executive Engineer concerned in case of Government department or the rank of General Manager in case of public sector as the case may be.

c) All the documents to be submitted duly notarized.

4. The tender document for the above work is available on NRDA’s websites: www.nayaraipur.com and www.cg.gov.in. Tenderer will have to download the tender document, and shall submit the tender along with the tender cost as mentioned in the Para 2 above. For tender cost, DD drawn in favor of “CHIEF EXECUTIVE OFFICER, NRDA” should be enclosed. The tenderers shall attach the cost of tender document along with EMD as mentioned in the Para 2 above.

5. Three envelope Tender procedures shall be followed. Tenderer has to submit three sealed envelopes containing the documents as detailed below simultaneously, enclosed in a Fourth Envelope duly mentioned in the top the name of work, NIT No. and firm address.

| ENVELOPE-1 | EMD & Cost of tender in the prescribed format |
| ENVELOPE-2 | Technical Tender consisting of the documents/ certificate in proof of prequalification criteria PART ONE (NRDA F-1) excluding schedule-A |
| ENVELOPE-3 | Financial Tender PART ONE (Schedule-A) |

(Price Bid should also be submitted as soft copy in MS Excel 2007, in CD)

All the three tenders shall be put in a fourth envelope which shall be dully sealed. All the 4 envelopes shall be super-scribed with the Name of Work and Name of intending tenderer. Respective envelopes shall also be marked as envelope 1, envelope 2, and envelope 3 as detailed above. Tenders who do not conform to the specified requirements will be held non-responsive.

Initially, only the envelope -1 shall be opened, if found responsive then the envelope-2 (Technical tender) shall be opened at the date and time given in the Tender Document. The Price tender shall remain sealed and unopened in the custody of NRDA.

After technical evaluation, date and time of opening of price bid shall be communicated by NRDA to the successful tenderer in technical evaluation. The Price tenders of only the tenderer found qualified as per the PQ criteria shall be opened in presence of the tenderer who wish to be present. The Contract shall be awarded to the tenderer whose tender has been determined to be the lowest evaluated as per tender conditions.

6. All Tenders must be accompanied with the

a) Earnest money as mentioned in the Para 2 above. The Earnest money shall be payable in favor of Chief Executive Officer NRDA, in the form of a Bank Draft payable at Raipur/ Bank Guarantee Operable/Encashable at Raipur with their local branch address, drawn from a nationalized bank/ Scheduled Bank. Bank Draft and Bank Guarantee shall be valid for a period of 3 (three) months and 6 (Six) months respectively from the date of submission of tender

b) Cost of tender as mentioned in the Para 2 above. The Cost of tender money shall be payable in favor of Chief Executive Officer NRDA, in the form of a Bank Draft payable at Raipur drawn from a nationalized bank/ Scheduled Bank which shall be valid for a period of 3 (Three) months from the date of submission of tender.

7. Tenders shall be submitted at the address below on or before due date. Tenders received after the due date or time for tender submission (Late tenders) will either not be accepted or if inadvertently accepted, will not be opened and shall be rejected and returned back to the tenderer subsequently.

8. NRDA reserves full rights to reject any or all the tenders without assigning any reason, and to seek any further information from the tenderers. The selection shall be at the entire discretion of NRDA and the NRDA’s decision in this respect shall be final and binding. Further NRDA reserves right to split the contract...
in two or more parts. This shall be at the entire discretion of NRDA and NRDA’s decision in this matter shall be final and without appeal.

(b) The competent authority on behalf of NRDA does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.

9. Tenders shall be valid for 90 (Ninety) days from the last date of submission of the tender. NRDA will not be responsible for any costs or expenses incurred by Tenderers in connection with the preparation or delivery of Tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the NRDA, then the NRDA shall, without prejudice to any other right or remedy, be at liberty to forfeit entire amount of Earnest Money aforesaid.

10. Pre tender meeting with the tenderers will be held as mentioned above in the Office of Chief Executive Officer, NRDA, Raipur. Tenderers are advised to participate in the pre-tender meeting. The intending tenderers are advised to send their queries to NRDA either by post or by email to ceo@nayaraipur.com and cee@nayaraipur.com upto the date mentioned in the Para 2 as above.

11. Clarification/ amendments, if any shall be uploaded on website only.

12. Period for completion of work as mentioned above at Para 2 is inclusive of rainy season.

13. Approved hard copy of the standard document is available in the office of the employer and could be seen on any working day during office hours at the following address:-

Chief Engineer (Engg), NRDA

Opp. Police Station, Near Water Tank, VIII, New Rakhi,

Naya Raipur-492002, Phone: 0771-2971000

14. The intending tenderers are advised to cross check the downloaded version of the tender document with the hard copy available with NRDA.

15. In case of any discrepancy between the downloaded tender and the approved hard copy, the approved hard copy shall hold good for contractual as well as legal purposes.

16. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders, as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general, shall themselves at their own cost obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect the execution of work and shall incorporate the cost of such effects while quoting the tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and on all other services required for executing the work unless otherwise specifically provided in the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

17. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

18. The successful tenderer shall be required to execute an agreement on a non judicial stamp paper of appropriate value with the Chief Engineer (Engineering), NRDA in the Proformas annexed to the tender document, within 7 days of the issue of letter of acceptance/award by the NRDA. The cost of non judicial stamp paper shall be borne by contractor. In the event of failure on the part of the successful tender to sign the agreement within 7 days, the entire earnest money will be forfeited and tender shall be cancelled.
19. The successful tenderer, upon issue of letter of acceptance, in addition to execution of an agreement on a non-judicial stamp paper of appropriate value, shall also be required to furnish an irrevocable Performance Bank Guarantee of requisite amount to the Chief Engineer (Engineering), NRDA in the Performa annexed to the tender document, within 7 days of the issue of the letter of acceptance/award of Tender by the NRDA. In the event of failure on the part of the successful tenderer to furnish the Performance Bank Guarantee within 7 days, the earnest money will be forfeited and tender shall be cancelled.

20. This Notice Inviting Tender shall form a part of the contract document. In accordance with clause 1 of the contract, the letter of acceptance/award shall be issued in favour of the successful tenderer/contractor. After submission of the performance guarantee, by the contractor, the General arrangement drawings and other details for commencement of work shall be issued. The contract shall be deemed to have come into effect on issue of letter of acceptance of the tender. On such communication of acceptance, the successful Tenderer/Contractor shall, within 7 days from such date, formally sign the agreement consisting of:-

a) PART ONE of the Tender documents along with detailed NIT as issued to the contractor at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto and

b) PART TWO of the Tender document i.e. “General conditions of contract duly modified / corrected to the extent as specified under PART ONE (though not issued to the contractor but always available for inspection on written demand at the office of the officer inviting tenders specified under Schedule F of PART ONE of the Tender Document) and deemed to have been consulted, inspected, understood and considered by the tenderer before quoting and submitting his tender.

c) Agreement signed on non-judicial stamp paper of appropriate value as per prescribed proforma of tender documents.

21. GCC is available as a standard NRDA Publication and can also be downloaded free of cost from the NRDA web site under title “General conditions of contract” for Contractors in construction Contracts” However contractors are advised to refer to PART ONE of the tender document carefully and thoroughly for corrections/ modifications in the “General conditions of contract” Standard form NRDA F-2/3 is also available for inspection in the office of the Engineer in charge on written demand from contractors. Link site http://nayaraipur.gov.in/documents/gcc.pdf

22. While submitting the tender the contractor shall clearly and legibly write his full mailing address including PIN code, Telephone/ mobile no./ Fax Numbers/ e-mail address etc for communication purposes and shall inform the Engineer in Charge about any change from time to time in his postal/ mailing address. The communication shall be dispatched only at the contractor’s such latest informed address and NRDA shall in no way be responsible for non-receipt of correspondence by the contractor.

23. It is found that the contractor has misrepresented that facts or has attempted to secure or has secured the work by misrepresenting the facts or by submitting false or forged documents then the Entire Earnest Money submitted by the contractor and or the Performance Guarantee and/ or the Security Deposit as the case may be, shall be liable to be absolutely forfeited and such contractor/ individuals shall also be liable to be prosecuted for cheating/ forgery/ fraud etc as per law.

24. 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 – 100%

i. Technical Bid - 60%,

ii. Presentation on methodology of execution - 15%,

iii. Infrastructure - 25%.

The bidder must secure at least 70% of marks in the technical bid for qualifying to the next stage.
Stage: II – 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. Work Station- a.T Type Linear Workstation for two persons (1200x600)
   2. LOOSE TABLES – T3- CE ,Technical & public relation Table with Side Unit & Back Unit
   3. STORAGES - Full Ht. Storage
   4. Reception Table (2 Module 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: III - Price-bid- 100%

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

The tenderer with the lowest financial offer shall be selected.

25. Bill of quantities is enclosed with tender document, the rate shall be quoted against each item separately in figures as well as in words

   During price Tender evaluation, the Employer will correct arithmetical errors on the following basis:
   a) if there is a discrepancy between words and figures, following procedure shall be followed:
      i. the unit price which correspond to the total price for the item worked out by the Tenderer shall be followed;
      ii. If the total price of an item is not worked out by the Tenderer or it does not correspond with the rates written either in words or figures then the rate quoted by the Tenderer in words shall be taken as correct.
   b) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected;
   c) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
   d) The unit wise amounts will be rounded to the nearest rupee
   e) The tendered rates of items againstst which no rate or price is entered by the tenderer will be taken as zero and the price of the same shall be deemed to have been covered by the rates/amount quoted in other items.

26. The tender document shall be written legibly and free from erasure, overwriting or conversion of figure. Any correction where unavoidable shall be made by crossing out, rewriting and attestation by the tenderer.

27. All royalties be paid by the contractor as also all tolls, duties, local and other levies including sales tax, insurances & workman compensation act etc.

28. Applicable service tax shall be reimbursed separately on production of receipt of payments of Service Tax.

29. Contractor will be bound to follow CG Model rules relating to its water supply & sanitation in labour camp.

30. The contractor shall pay not less than the minimum wages to labours engaged by him on the work.

31. Department reserves the right to take up the work departmentally or to award any work on contract in the vicinity without prejudice to the terms of contract.
32. If the rate quoted by the lowest (L-1) of the tenderer is considered unbalanced (in relation to the Department’s estimate of cost of work to be performed under the contract) by the CEO, NRDA, then tenderer shall submit detail price/rate analysis of major items of the work within 7 days of such notice so as to demonstrate the internal consistency of these price/rate(s) with his quoted price/rate(s). After evaluation by tender sanctioning authority CEO, NRDA may require the tenderer to submit additional Security upto 5% of the estimated cost put to tender for the performance of the agreement in the shape of F.D. Or a BG receipt in favor of the CEO, NRDA before signing of the agreement, which shall be refunded along with the normal S.D. after Completion of work. If he fails to complete the work or leave the work in complete, this 5% additional SD, shall also be forfeited by the department, in addition to other provision of the contract & the agreement shall be terminated and action shall be taken in accordance of relevant contract clause of the agreement.

33. Important Instructions to Tenderers : The tenderers who have down loaded the tender documents from the web site, should read the following important instructions carefully before actually quoting the rates & submitting their tender on the tender document downloaded from the web site:

a) The tenderer should see carefully & ensure that all the pages of PART ONE (NRDA F-1) of the tender document including schedule of quantities of items of work (NRDA F-1 Schedule-A) has been down loaded properly & completely.
b) The printout of the downloaded tender document shall be taken on A-4 size plain white paper only & the printer settings shall be dept to ensure that the downloaded document is printed in the same manner and pattern/setting as appearing on the web site & there is no change in the formatting, number of pages etc.
c) The tenderer should ensure that no page in the down-loaded tender document is missing and all pages in the down-loaded tender document as printed are legible & clear & are printed on a good quality paper.
d) The tenderer should ensure that every page of the down-loaded tender document is signed by tenderer himself.
e) The tenderer should ensure that the down loaded tender document is properly bound and wax sealed before submitting the same in the envelope. Loose/ Spiral binding shall be liable to be rejected.
f) In case of any correction/ addition/ alteration/ omission in the downloaded tender document Vis a Vis that in the Standard DRAFT Tender Document available in the office of NRDA, it shall be liable to be rejected.
g) The tenderer shall furnish a declaration to this effect that no addition/ deletion/ corrections have been made in the downloaded tender document being submitted by him and it is identical to the tender document appearing on the Web-site and with the Standard DRAFT Tender Document available in the office inviting the tenders.

Chief Executive Officer, NRDA
1st Floor, Utility Block, Capitol Complex,
Sector- 19, Naya Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2511500;
Fax No.: +91 771 2511400.
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

SCHEDULE – D

Section-I
Technical Tender Forms
Schedule-D
Section I - Tender Forms Technical

This Section contains the forms which are to be completed by the Tenderer and submitted as part of his PART ONE (NRDA F-1).

Table of Forms

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(VI) CHECK LIST FOR TECHNICAL TENDER EVALUATION ............................................................. 8
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(VIII) COMPLETION CERTIFICATE OF EXECUTED WORK ....................................................................... 11
(i) Letter of Technical Tender

Date: ________________
NIT No.: ____________________

To:
Chief Executive Officer,
NRDA, 1st floor, Utility Block, Sector-19,
Naya Raipur 492 002, Chhattisgarh.

Ref for NIT no:-----------------------------

Subject: Name of the work:- -----------------------------

Dear Sir,

I/We, the undersigned, declare that:

(a) I/We have examined and have no reservations to the Tender Document, including Addendum if any, minutes of meeting, clarification to the queries etc.

(b) I/We offer to execute the subjected under in conformity with the Tender Documents and the addendums.

(c) I/We have satisfied ourselves as to the location of the site and working conditions, examined the requirements of NRDA and have obtained all the information necessary for the successful and timely completion of the work.

(d) I/We have submitted the Earnest Money Deposit as specified in the tender document which will not bear any interest and shall be subjected to forfeiture on following defaults.

   (i) if we withdraw our Tender during the period of tender validity as specified in Detailed NIT Para 9 or

   (ii) if we fail to:

       • furnish a Performance Security in accordance with Detailed NIT Para 19 or
       • sign the Contract in accordance with Detailed NIT Para 18; or
       • Accept the correction of its Tender Price pursuant to Detailed NIT Para 24.

   (iii) If we have given the false documents in support of qualification with the technical tender.

(e) My/Our Tender shall be valid for a period of 90 days from the date fixed for the tender submission deadline in accordance with the Tender Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If my/our Tender is accepted, we commit to obtain a Performance Security in the amount as specified in the tender document for the due performance of the Contract and sign the agreement;

(g) I/We are not participating, as Tenderers, in more than one Tender in this Tendering process, in accordance with the Tender Document;

(h) My/our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by NRDA, Raipur;

Signature of Contractor…………………………………… Signature of NRDA……………………………………
(i) I/We understand that this Tender, together with your written acceptance thereof included in your letter of acceptance, shall constitute a binding contract between us, until a formal Contract is prepared and executed;

(j) I/We understand that you are not bound to accept the lowest evaluated tender or any other tender that you may receive.

(k) I/We hereby pay the Earnest Money Deposit of required amount in the form of a demand draft on a nationalized bank/ Scheduled Bank (-----------Bank Name and address) and operatable at Raipur in favour of the ‘Chief Executive Officer, NRDA, Raipur’ for the said amount and is attached.

(l) I/We hereby declare that, the entire work including Addendum/ Corrigendum, if any, shall be completed in all respect within the time limit specified in the NIT.

(m) I/We here by authorize the Employer to get all bank guarantee verified and got confirmed from concerned Bank.

Signature: ---------------
Signed by: -----------(Name)
Designation: ---------------
For and on Behalf of  -----------(Name of Tenderer)
Date: 
## (ii) Tenderer’s Information Sheet

<table>
<thead>
<tr>
<th>Tenderer’s Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenderer’s legal name</td>
</tr>
<tr>
<td>Tenderer’s legal address</td>
</tr>
<tr>
<td><strong>Tenderer’s authorized representative</strong></td>
</tr>
<tr>
<td>(name, address, telephone numbers, fax</td>
</tr>
<tr>
<td>numbers, e-mail address)</td>
</tr>
<tr>
<td>Name:</td>
</tr>
<tr>
<td>Address:</td>
</tr>
<tr>
<td>Telephone:</td>
</tr>
<tr>
<td>Fax:</td>
</tr>
<tr>
<td>E-Mail:</td>
</tr>
<tr>
<td><strong>Tenderer’s details of Incorporation</strong></td>
</tr>
<tr>
<td>Place of incorporation/registration:</td>
</tr>
<tr>
<td>Year of incorporation:</td>
</tr>
</tbody>
</table>

Attached are copies of the following original documents.

- 1. Articles of incorporation or constitution of the legal entity named above.
- 2. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law.

### Details of the office closest to Raipur (if available)

<table>
<thead>
<tr>
<th></th>
<th>Address of Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Telephone :</td>
</tr>
<tr>
<td></td>
<td>Contact :</td>
</tr>
<tr>
<td>3.</td>
<td>Fax :</td>
</tr>
<tr>
<td></td>
<td>E-Mail :</td>
</tr>
</tbody>
</table>

Signature of Tenderer
Date:______________

Signature of Contractor………………………………..  Signature of NRDA………………………………..
(iii) Annual Turnover

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount and Currency</th>
<th>Exchange Rate if any</th>
<th>INR Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
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<tr>
<td>2013-14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Average Annual Turnover for the last 3 years in INR

All Tenderers are requested to complete the information in this form.

The information supplied should be the Annual Turnover of the Tenderer in terms of the amounts billed to clients for each year for contract in progress or completed, converted to INR at the rate of exchange at the end of the period reported.

As a proof of the above, the contractor shall submit the copies of the balance sheet for last three years along with audited profit & loss statement duly signed by the charted accountant.

Signature of Tenderer
Date: ____________________
(iv) Specific Construction Experience

Fill up one (1) form per contract.

<table>
<thead>
<tr>
<th>Details of Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract No . . . . . of . . . . .</td>
</tr>
<tr>
<td>Award Date</td>
</tr>
<tr>
<td>Role in Contract</td>
</tr>
<tr>
<td>Total Contract Amount</td>
</tr>
<tr>
<td>Employer’s Name</td>
</tr>
<tr>
<td>Address</td>
</tr>
<tr>
<td>Telephone/Fax Number</td>
</tr>
<tr>
<td>E-mail</td>
</tr>
</tbody>
</table>

**Description of the work executed**

Note: Attach copies of work order and satisfied completion certificates in support of each quoted experience. The completion certificate should be signed by the officer not below the rank of concerned Executive Engineer in case of Government department or in the rank of General Manager in case of public sector/private sector as the cases may be.
(v) DECLARATION

(TO BE SIGNED BY THE TENDERER SUBMITTING THE TENDER ON DOWNLOADED TENDER DOCUMENT)

I/We hereby declare and certify that:

1. I/We are submitting the tender in the tender document downloaded by me/us from the website & we certify that there is no change in formatting, numbering of pages etc. in the downloaded documents.

2. I/We are submitting the tender in the tender document which is exactly similar and identical to the one available on the website and also as available with the officer inviting tenders.

3. I / We have not made any modifications / corrections / additions / omissions etc in the tender documents downloaded from web by me / us.

4. I / We have checked that no page in the downloaded tender document is missing and all the pages as per web site are available & that all the pages of tender document submitted by us are clear & legible.

5. I / We have signed (with stamp) all the pages of the tender document before submitting the same.

6. I / we have wax sealed the tender documents properly before submitting the same.

7. I / We have submitted the application for issue of tender documents on the prescribed format separately along with the cost of tender documents and also the attested Xerox copies of the eligibility documents prescribed for respective work in the NIT.

8. I / We have read carefully & understood the entire Tender document including important instructions to the tenderers submitting the downloaded tender.

9. In case at any stage whatsoever at a later date it is found/ revealed that there is a difference in our downloaded tender documents from the original Standard DRAFT Tender Document, NRDA shall have the absolute right to take any action as deemed fit without any prior intimation to me / us.

10. In case at any stage whatsoever at a later date it is found that there is difference in our downloaded tender document from the Standard DRAFT Tender Document, we clearly understand that our work shall be liable to be cancelled and Earnest Money/ Performance Guarantee / Security deposit etc all are liable to be forfeited by NRDA and in such an eventuality I / We shall have no right or claim for any damages / compensation from NRDA on this account. Further in such case I / We may also be debarred by NRDA for further participation in the tendering in the concerned NRDA & be removed from the approved list of contractors of NRDA.

Dated……………………………

(TENDERER)

(SIGNATURE WITH SEAL/STAMP)

Signature of Contractor………………………………

Signature of NRDA……………………………………
(vi) CHECK LIST FOR TECHNICAL TENDER EVALUATION

<table>
<thead>
<tr>
<th>S. No</th>
<th>Document</th>
<th>Details</th>
<th>Enclosed at annexure Page No</th>
</tr>
</thead>
<tbody>
<tr>
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<td>From</td>
</tr>
<tr>
<td>1</td>
<td>Tender Document Cost</td>
<td>Downloaded from NRDA Website Details of DD</td>
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<tr>
<td></td>
<td></td>
<td>Amount</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Name of the Bank &amp; Branch</td>
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<tr>
<td></td>
<td></td>
<td>Date</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>D.D no &amp; Photo copy attached</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>Earnest Money Deposit (EMD)</td>
<td>Amount</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Form of EMD</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Issuing Bank &amp; Branch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>No &amp; Date &amp; Date</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photo copy attached</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Contractor Registration Certificate</td>
<td>Class in which registered</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Name of Department</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Registration Number &amp; Date</td>
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</tr>
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<td></td>
<td></td>
<td>Validity</td>
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<td></td>
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<td>Notarized</td>
<td>Yes/No</td>
</tr>
<tr>
<td>4</td>
<td>Commercial Tax Certificate</td>
<td>Registration Number:</td>
<td></td>
</tr>
<tr>
<td></td>
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<td>Name of the Office</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>Notarized</td>
<td>Yes/No</td>
</tr>
<tr>
<td>5</td>
<td>Average Annual Turnover in Lacs</td>
<td>2010-2011</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2011-2012</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2012-2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Charted accountant certificate in original or photo copy duly notarized</td>
<td></td>
</tr>
</tbody>
</table>

Signature of Contractor...........................................  Signature of NRDA..............................................
### Name of the Agency:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Document</th>
<th>Details</th>
<th>Enclosed at annexure Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Details of the projects/works completed as pre-qualification criteria</td>
<td>Name of the Work</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Work Completed</td>
<td>Yes/No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cost of the Project</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Certificate Enclosed</td>
<td>Yes/No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notarized</td>
<td>Yes/No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Name of the Work</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Work Completed</td>
<td>Yes/No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cost of the Project</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Certificate Enclosed</td>
<td>Yes/No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notarized</td>
<td>Yes/No</td>
<td></td>
</tr>
</tbody>
</table>

Note: The above check list only provides for those documents which are mandatory for the tender pre-qualification criteria. Tenderers are required to append, other documents also with the technical tender as required in the detailed NIT or elsewhere in the PART ONE (NRDA F-1).

Signature of Tenderer  
Date: ________________

Signature of Contractor…………………………………  Signature of NRDA……………………………………
(vii) Experience in Manufacturing of modular office furniture

Tenderer should have at least 5 years of Experience in Manufacturing of Modular office Furniture. (Incorporation certificate duly signed by CA should be enclosed)

All individual firms and all partners of company are requested to complete the information in this form. The information supplied should be the annual turnover of the applicant/ company, in terms of the amounts billed to clients for each year for work in progress or completed, in Indian rupees, at the rate of exchange, at the end of period reported.

Applications may enclose testimonials, certificates and publicity material with their applications. However, they will not be taken into account in the evaluation of qualification.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Work done during the years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2009-10</td>
</tr>
<tr>
<td>1</td>
<td></td>
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<tr>
<td>2</td>
<td></td>
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<tr>
<td>4</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

Note :-
1) All information/ statements submitted under the above tables shall consist of audited statements/ be accompanied with C.A.’s Certificates.

Signature of Tenderer:
Date:

Note of Contractor: 
Signature of NRDA: 

Page 10 of 11
(viii) Completion certificate of executed work

This certificate shall be produced in the below format on the letter head of the employer.

Note: Satisfactory Completion Certificate should be duly signed by chartered accountant or notorized copies.

Completion Certificate

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name of the Agency</td>
</tr>
<tr>
<td>2</td>
<td>Name of the Work</td>
</tr>
<tr>
<td>3</td>
<td>NIT No. &amp; Date</td>
</tr>
<tr>
<td>4</td>
<td>Contract Agreement No. &amp; Date</td>
</tr>
<tr>
<td>5</td>
<td>Date of Award/Start of Work.</td>
</tr>
<tr>
<td>6</td>
<td>Original Completion date as per Contract Agreement</td>
</tr>
<tr>
<td>7</td>
<td>Actual completion Date</td>
</tr>
<tr>
<td>8</td>
<td>Agreement Value of work</td>
</tr>
<tr>
<td>9</td>
<td>Actual cost of work after completion</td>
</tr>
</tbody>
</table>

This is certified that the above work has been carried out satisfactorily as per drawing specification and instruction of Engineer-in-Charge.

Thanking you.

Authorized Signature:

Designation:

Company:

Seal:

Dated:

Signature of Contractor………………………………..        Signature of NRDA……………………………………
SCHEDULE– D
Section-II
Scope of work
WORKS REQUIREMENT

This section contains the brief idea of scope of work, supplementary information drawings etc. regarding the work to be executed under instant tender, may vary as per site requirement. In case of any change the decision of Engineer-in-charge will be final and binding to the contractor. The work however shall be executed as per BOQ and working drawings.

A. GENERAL REQUIREMENTS APPLICABLE FOR ALL SCOPES OF WORK

1. WORKING DRAWINGS: The Contractor shall at all times maintain on site, in good order and condition, a complete set of all drawings duly laminated and documents necessary for the proper execution and checking of the Works. These drawings and documents shall be made available on request to the Engineer in Charge or other authorized persons on site. Any amendment shall be indicated on the drawing, dated and signed by the Authorized person in charge, with reasons stated if possible.

2. AS-BUILT DRAWINGS: The Contractor will supply four hard copies & a soft-copy of the approved built up drawings on completion of work. The cost of preparing all such items of work shall be deemed to have been included in the respective rates/ prices quoted by the Contractor in the “Bill of Quantities.

3. SHOP DRAWINGS: The contractor shall also provide shop drawings for various sub-parts of the tender for approval by the Engineer in Charge. Areas of detailing shall include (but will not be limited to) Plumbing, HVAC, Electrical, Fire-Protection, Structural Glazing, Landscaping Works. The shop drawings shall be conformance to the actual site conditions.

4. SAMPLES: The contractor shall submit to the Engineer in Charge samples of all materials for approval and no work shall commence before such samples are duly approved. The cost of the samples shall be borne by the contractor.

5. TESTS: The entire mandatory test shall be carried out at the frequency as mentioned in the specification. All materials and methods of tests shall conform to the latest rules, regulation and/or individual specifications as laid out in the technical specifications. The Engineer in Charge will have the option to have any of the materials tested and if the test results show that the materials do not conform to the specifications, such materials shall be rejected. A reasonable number of representative tests will be deemed to be included in the rates tendered.

6. SITE CLEANING: Upon completion of the scope of the work all the areas should be cleaned. All floors, doors, windows, surface, etc. shall be cleaned down in a manner which will render the work acceptable to the Engineer in Charge and employer. All rubbish due to any reason, shall be removed daily from the site at the cost of the contractor and all such costs are deemed to have been included in the price quoted by the contractor.

7. MAINTENANCE IN DEFECT LIABILITY PERIOD: The Contractor shall be obliged to remove/ repair / replace/ the defects for the entire system during defect liability period (DLP) of twenty four (24) months after the final official hand over date of the civil work/other installation, duly approved by the consultants and project managers. This period shall include maintenance replacement of parts, regular periodic visit by qualified personnel of the Contractor and attending to emergency call at short notice.

8. WARRANTIES/GAURANTEES- The contractor shall also make available to NRDA all the warranties/guarantees by the respective manufacturers for all material and equipment
installed in the project along with the user/training manuals, test reports, contact details etc. as along with the built-up drawings of the project upon completion of project.

9. Maintaining the work in finished condition against defects for a minimum of specified defect liability from the date of commissioning and imparting training to the workers/staff as asked for maintaining the work as per IS requirement and exercising.

10. Items not covered under these specifications due to any ambiguity or misprints, or additional works, the work shall be carried out as per specifications or the latest N.B.C. manual up to date amendments as applicable in the work.

11. The contractor shall be responsible for making good the wall/slab/beam/column chases and cut-outs wherever provided on account of plumbing, fire protection, electrical & HVAC work cross-over and shall hand-over the site in finished condition.

B. GENERAL SCOPE OF WORK

The project consists of Designing, manufacturing, supplying, assembling, testing and commissioning of modular office furniture Paryavas Bhawan at Sector 19 of Naya Raipur.
SCHEDULE– D
Section-III
Technical Specification of Works
I. Brief Specifications:

General specification of all specified modular furniture.

1. All Prelaminate particle board (wood based only) should be of exterior grade as per IS 12823 : 1990 (IS 3087:2005).
2. All prelaminated medium density fibre (MDF) board (wood based only) should be of exterior grade as per IS 12406: 2003 (IS 14587: 2008)
3. All exposed & balancing laminates should be 0.6-0.8mm thick.
4. All metals used should be CRCA or Aluminium unless otherwise specified.
5. All CRCA or Aluminium should have powder coating of 40-60 micron thick unless otherwise specified.
6. All lipping should be of PVC edging of 2 mm thickness on all exposed edges unless otherwise specified.
7. All Modular furniture/partition shall have adjustable leveler.
8. All color / shade of specified finishes shall be as per Engineer’s choice
9. Tenderer shall get approval of samples from NRDA of all BOQ items before manufacturing.

1 - MODULAR WORKSTATION

General specification of modular workstation

Partition

Tile based partition of 60mm thickness with framework made of aluminium alloy extrusions. All Aluminium parts are pretreated for epoxy polyester powder coated of 40-60micron thickness. All these frame work sections are fitted to each other by fasteners of 2mm thickness which is properly zinc coated for corrosion resistant.

One single frame consists of following Components :-

1. Vertical Member in aluminum alloy extrusion of minimum size 60x21mm (thickness 1.2mm).
2. Top Horizontal Member in aluminum alloy extrusion of minimum size 60x30mm(thickness 1.3mm) having inbuilt accessories rail provision to overhung accessories like Pen/Card holder/telephone stand/CD hanger.
3. Mid Member in aluminum alloy extrusion of minimum size 60x30mm (thickness 1.3mm) having provision to support the worktop with engineered design Support bracket.

4. Bottom Raceway in aluminum alloy extrusion of minimum size 118mm ht. x 60mm (thickness 1.2mm).

5. Intermediate Raceway in aluminum of minimum size 118mm ht above / below the work top as per requirement.

6. Tiles

THE BOTTOM tiles can be provided in following options:-

(a) Prelaminated Particle Board tile of minimum 9mm thickness with decorative laminate on top and white balancing on unexposed face, The tiles are supported within groove in aluminium extrusion.

(b) Metal tiles are made up of CRCA of minimum 0.7mm thickness duly powder coated.

THE UPPER tiles can provided in following options:-

(a) The Fabric tile are made of minimum 9mm high density soft board inside covered with 3mm foam and fabric pasted on them by synthetic rubber adhesive. The tiles are supported within groove in aluminium extrusion.

(b) The Marker tile are made up of 9mm particle board pasted with 1mm white marker laminate, on the the exposed face. The tiles are supported within groove in aluminium extrusion. Basic cost of fabric should be of minimum 250/meter.

(c) Fabric on Magnetic board tile are made up of GI sheet of 0.6mm inside covered with 3mm foam and fabric pasted on them. The tiles are supported within groove in aluminium extrusion.

7. Top & End Trims - The exposed vertical and horizontal faces of the frames are snap fitted with curve trims. The trims are made of aluminum extrusions of size 60x19mm(thickness 1.5mm) and are covered with ABS caps on joints.

8. Connectors:--Partitions are supported by MS bracket of 2mm thick zinc plated wherever required i.e,(L,T,+,180deg) for stability.

At 2 Way joint of 90deg- Aluminium alloy extrusion of 87x22mm is provided which is snap fitted to main frame and epoxy powder coated.

At 3 way joint of 90deg- Aluminium alloy extrusion of 61x9mm is provided which is snap fitted to main frame and epoxy powder coated.

At 4 way joint of 90deg- Aluminium alloy extrusion frame Vertical member is fitted with M S connectors at top and bottom for stability and strength.
WIRE MANAGEMENT - Partition has concealed wire management capabilities and are engineered for responsive and safe operations of power, telecommunications and data (LAN) and has separate components for electrical, data and telephone cables having adequate capability of both the vertical and horizontal wire movements. Slots/cutouts are provided on Raceways to fix all electrical and data points. LEVELLERS - Levellor of M10 size are provided in each frame which allow 10-25mm adjustment for floor unevenness.

Worktop
Worktop made of 25mm thick plain Particle Board with post forming of 0.6mm decorative laminate on top & 0.6mm thick balancing laminate on unexposed face with front edge profiled in desired shape. All exposed edges are sealed with 2mm thick PVC edge banding tape pressed at 200o C with hot melt glue on special machines. The worktop is supported with cantilever brackets made of CRCA duly powder coated. Work surface is also provided with ABS wire manager of 50mm dia. The work Top shall be fitted with suitable metal/nylon inmates to take m6 machine screens. All table top shall have Pre laminated particle Board drawer unit with telescopic type sliding rail mounted on underside of the work Top.

Gable End/sides: Gable end/sides should be made of Pre laminated particle board of 25 mm thickness with Straight edge.

Modesty panel: Modesty panel should be made of Pre laminated particle board of 18mm thickness with straight edge.

Intermediate support: Additional Intermediate support of 25mm thk Pre laminated particle board (supported on floor) or powder coated CRCA bracket to be used for table top support.

Wire manager: Each worktop shall be provided with a wire manager hole of 72 mm diameter, which in turn shall be fitted with a plastic wire manager of approved shade and colour.

Magnetic Board:
1. Magnetic Board should have fabric finish with 25mm thk CRCA/Aluminium powder coated wall frame.
2. Necessary concealed arrangement shall be there for hanging the magnetic board on finished wall surface.
3. Basic cost of fabric for soft board should be Rs. 250/meter. Basic cost is inclusive of all taxes, duties & delivery at manufacturer factory.

4. Tenderer shall supply 12 nos magnetic bolts for each magnetic board wherever mentioned.

2 – LOOSE TABLES

T-1 (Chairman, CEO, ADD. CEO)
Main table with side unit top 36mm Membrane, Vertical 18mm Laminated Chip Board with metallic legs in 8 bend curved shape, Modesty 18mm Laminated Chip Board
Side unit with Body 18mm Laminated Chip Board, Facia 18mm Membrane with 2D+1 filing & double openable shutters.
Overall size: 3000x2350x750mm
Mobile Pedestal Drawer  with 3 equal drawer with 18 mm Membrane Top & facia. The body is made of 18mm Laminated Chip Board and drawer runs on nylon rollers channels size:450x575x560mm
BACK UNIT Top 36mm Membrane, Body 18mm Laminated Chip Board, Facia 18mm Membrane with 2+1 filing in centre & 2 double open able shutters on both sides. The storage is of size 2500 with extended top of 500mm. Overall Size 3000x500x750mm

T-2 (Vice Chairman & Member sect)
MAIN TABLE with top in 30mm PF in Duck nose profile with Former Module in 30mm membrane, Vertical 25mm Laminated Chip Board, & Modesty 18mm Laminated Chip Board
Main Table 1650x900x750mm + Former Module 1200x900x750mm
Overall size - 2850 x 1200 x 750
SIDE UNIT top 30mm PF in Duck nose profile, Body 18mm Laminated Chip Board Facia 18mm Laminated Chip Board with 3 drawer unit fixed on studs size: 1200 x 600 x 700
MOBILE DRAWER PEDESTAL with 1 Drawer + 1 filing with PF top & body in 18mm Laminated Chip Board. size 450x575x560
BACK UNIT with top 30mm PF in Duck nose profile, with Body & Facia in 18mm Laminated Chip Board with Openable Shutter on each end & two filing drawer unit in centre. size: 1500X400X750
NRDA F-1 - Schedule-D - Section III - Technical Specification of Works
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

T-3 (CE ,Technical & public relation)

MAIN TABLE with top of overall thicness 37mm with Glossy Laminate With Aluminium Profile, Vertical in 25mm with Glossy Laminate & Modesty in 18mm with Glossy Laminate.
SIDE UNIT with top of 25mm with Glossy Laminate on Particle Board, Body & Sides in 18mm Laminated Chip Board & Facia in 18mm with Glossy Laminate. Overall size 2250Wx1850Dx750H Table of size 1950x900x750 with Side Unit of size 1650x400x638
FIXED PEDESTAL DRAWER (1D+1F) with body made of 18mm Laminated Chip Board & Top & Facia in high gloss laminate. Overall Size - 450x575x560
BACK UNIT with top made up of 36mm particle board with high gloss Laminate with body made of 18mm Laminated Chip Board & Facia in high gloss laminate with 3 openable shutter Overall Size --1500x400x750

T-4 (GM, SE, Sr. Architect)

MAIN TABLE with top of overall 37mm thick with top made of 25mm Laminated Chip Board with 12mm moulding in membrane. Table is provided with curved Modesty with black membrane pad. Top fixed on studs on pedestal on one end and 50mm steel post on other end.
SIDE UNIT is provided with single shutter made of 18mm Laminated Chip Board & space for Keyboard. Drawer unit of size 450x575x700 with studs Side Unit of size 1050x500x750 Overall Size 2000x2050x750
BACK UNIT with top made of 25mm Laminated Chip Board,& Understructure is made of 18mm Laminated Chip Board with Openable Shutter on each end & 2+1 filing drawer unit in centre. Overall Size - 1500x450x750

T-5 (DGM Table)

MAIN TABLE 1800x900x750 with top made of overall 36mm with combination of 18mm Laminated Chip Board & 18mm Membrane moulding, Verticals in 18mm Laminated Chip Board & Modesty in 18mm Laminated Chip Board with rectangular Silver membrane patch on facia . Mobile Board pedestal with Top, Body & facia in 18mm Laminated Chip Board with 3 equal drawers 450x575x560 SIDE UNIT 900x450x750 with top made of 25mm thick Laminated Chip Board with Body & Facia in 18mm Laminated Chip Board with shutter on one side & one open shelf & 1Drawr + 1Filing on other side
BACK UNIT with top made of 25mm thick Laminated Chip Board & Understructure with Body & Facia in 18mm Laminated Chip Board with Openable Shutter on each end & two filing drawer unit in centre.
Size - 1350x400x750

T-6 (EE - 1, scientific officer)
Providing & Supplying Table of an overall size 1650x900x750 with top made of 25mm thick Prelam Particle Board having Radial profile in front side. The table understructure has vertical leg made of 1.2mm CRCA double walled legs with triangular shape foot and top duly powder coated with ABS caps at ends. The modesty is made of 1.0mm CRCA sheet having perforation design in it duly powder coated. All the exposed edges sealed with 2mm PVC edge banding tape pressed at 200o C with hot melt glue on special machines.
SIDE UNIT-1 of an overall size 1050x450x750 with top 25mm Laminated Chip Board, body & facia 18mm Laminated Chip Board. The unit has two top drawers and two openable shutters.
Side unit-2 of an overall size 900x450x750 Top 25mm Laminated Chip Board Body & Facia 18mm Laminated Chip Board with 2 drawer +1 filing of size - 450x450x675mm fixed with 50mm studs.
BACK UNIT top 25mm Laminated Chip Board, u/st & facia 18mm Laminated Chip Board with 3 openable shutters Overall size 1350x450x750

T-7 (PSC Table)
Providing & Supplying Table of an overall size 1500x750x750 with top made of 25mm thick Prelam Particle Board having Radial profile in front side. The table understructure has vertical leg made of 1.2mm CRCA double walled legs with triangular shape foot and top duly powder coated with ABS caps at ends. The modesty is made of 1.0mm CRCA sheet having perforation design in it duly powder coated. All the exposed edges sealed with 2mm PVC edge banding tape pressed at 200o C with hot melt glue on special machines.
Side unit of an overall size 900x450x750 Top 25mm Laminated Chip Board Body & Facia 18mm Laminated Chip Board with 2 drawer +1 filing of size - 450x450x675mm fixed with 50mm studs.

T-8 (Manager, SEIAA, water cess & account officer)
Providing & Supplying Table with top made of 25mm thick plain particle board having 0.6mm post formed decorative laminate on top and balancing laminate on unexposed face. The understructure is made of 18mm thick prelaminated particle board with all exposed edges sealed with 2mm PVC edge
banding tape and all unexposed edges sealed with 0.6mm edge banding tape pressed at 200°C with hot melt glue on special machines. Table having two front powder coated vertical legs of CRCA with triple bending shape of overall size 75x75mm with overall radius of 63mm, the angle of each bend should be 150°. The gable end of table having radial profile of radius 195mm. The table has a provision for wire manager caps at top. The table also has a top hung 3 Drawer unit made of 18mm pre laminated particle board with inner drawer in steel.

SIDE UNIT with top 25mm PF, body & facia 18mm Laminated Chip Board. The unit has two drawers & one filing on one side and one openable shutters with shelf on other side made up of 18mm Laminated Chip Board.

**T-9 (PA Table)**

Main table of an overall size 1500x750x750 top 25mm Laminated Chip Board, CRCA Vertical, 18mm LAMINATED CHIP BOARD modesty. Mobile Board pedestal with Top, Body & facia in 18mm Laminated Chip Board with 3 equal drawers 380x450x560.

**T-10 (AE, Tehsildar & AM)**

Table with top made of 25mm thick plain particle board having 0.6mm post formed decorative laminate on top and balancing laminate on unexposed face. The understructure is made of 18mm thick prelaminated particle board with all exposed edges sealed with 2mm PVC edge banding tape and all unexposed edges sealed with 0.6mm edge banding tape pressed at 200°C with hot melt glue on special machines. Table has a provision for wire manager caps at top.

**3 – KEYBOARD TRAY**

Keyboard tray of size 510x240x75mm made up of 1.2mm thick CRCA steel sheet duly powder coated. The Keyboard tray runs on ball slides for smooth movement.

**4 – CPU TROLLEY**

CPU trolley of 240mm height with adjustable width from 220 to 320mm width made of 1.6mm thick CRCA steel sheet duly powder coated with 2 Nos. lockable castors & 2 Nos. non lockable castors.
5 – PEDESTAL DRAWER

Fixed Pedestal unit of size 450x450x725 with 2 drawer & 1 filling. The drawer unit is made of 18mm thick prelaminated particle board with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.6mm PVC banding tape pressed at 200o C with hot melt glue on special machines. The inner drawer is made of 0.6mm CRCA steel duly powder coated & has proper locking arrangement with two top drawer sliding on nylon rollers channels and lower filling drawer on telescopic channel. The pedestal drawer is Mounted on adjustable levellers.

6-STORAGES

Low Height

Storage Units of size 900x450x1200 with top made of 25mm postforming on particle board. The understructure & facia is made of 18mm prelaminated particle board having openable shutters with all exposed edges sealed with 2mm thick PVC edge banding tape and all unexposed edges sealed with 0.6mm edge banding tape pressed at 200o C with hot melt glue on special machines, with proper locking arrangement. The shelves are made of 18 mm thick prelaminated particle board and are provided with stiffener to avoid sagging.

Full Height

Storage Units of size 900x450x2100 with top & understructure made of 18mm prelaminated particle board having openable shutters. All exposed edges are sealed with 2mm thick PVC edge banding tape and all unexposed edges sealed with 0.6mm edge banding tape pressed at 200o C with hot melt glue on special machines, with proper locking arrangement. The shelves are made of 18 mm thick prelaminated particle board are provided with stiffener to avoid sagging.

7-RECEPTION TABLE

Reception table of an overall size of 2800X1400X1050 with top made up of 25mm thick prelaminated particle board having exposed edges sealed with PVC edge banding tape. The table top is supported on steel vertical studs of 50mm(D) lower modesty made up of and perforated steel sheet duly powder coated. The main table has a transaction top made of 10mm thick toughened glass supported on steel studs and upper Perforated Modesty duly powder coated.
8-CONFERENCE TABLE (14, 22 & 30 SEATER)
Conference Table of height 750mm with two seater module of size 1350(W)x550(D). The top made of 36mm thick MDF board pressed with 0.4mm thick membrane foil clad pressed with PU glue. The foil is precoated with a layer of polyurethane for better scratch resistance. The table vertical are made of 25mm thick postformed particle board with decorative laminate & modesty made of 18mm thick prelaminated particle board with decorative laminate on both sides. All the edges are sealed with 2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape at 200°C with hot melt glue on special machines. The Round corner piece is made up of 36mm thick MDF board pressed with 0.4mm thick membrane foil clad pressed with PU glue and supported with post of 65mm dia made of CRCA sheet duly powder coated. The complete table unit is made up of combination of tables and round corner pieces.

9-MEETING TABLE (14 & 8 SEATER)
Conference Table 14 SEATER- 4200x900/1200x750ht with top made of 37 mm thk (25 mm Laminated Chip Board+12mm Alu. Bidding) & Understructure made of 45mm Aluminium Leg & 18mm Laminated Chip Board modesty, with metal cable tray.

10-LIBRARY READING TABLE
Table with top made of 25mm thick plain particle board having 0.6mm post formed decorative laminate on top and balancing laminate on unexposed face. The understructure is made of 18mm thick prelaminated particle board with all exposed edges sealed with 2mm PVC edge banding tape and all unexposed edges sealed with 0.6mm edge banding tape pressed at 200°C with hot melt glue on special machines. Table has a provision for wire manager caps at top.

11-BOOK RACK
Book stack with top & sides made up of 18mm prelaminated particle board. Shelves are made of 25mm prelaminated particle board. All exposed edges are sealed with 2mm PVC edge banding tape pressed and unexposed edges sealed with 0.6mm PVC edge banding tape at 200°C with hot melt glue on special machines. The book stacks are available in the following configurations.

12-CENTER TABLE
Providing and supplying center table 1200x600x450 with top made of 12mm thick beveled glass and understructure with a shelf is made of 18mm thick prelaminated particle board with all exposed edges.
sealed with 2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape pressed at 200o C with hot melt glue on special machines.

13. SIDE TABLE
Providing and supplying Side table 450x450x450 with top made of 12mm thick beveled glass and understructure with a shelf is made of 18mm thick prelaminated particle board with all exposed edges sealed with 2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape pressed at 200o C with hot melt glue on special machines

14. 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. Addon 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 storage 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. 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.

### 1.2 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 access able
   - 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)
SCHEDULE– D
Section-IV
Special Conditions of Contract
Special Conditions of Contract

1. **GENERAL**
   The Special Conditions of Contract are to be read in conjunction with General Conditions of Contract. If there are any variations or discrepancies or conflicting provisions, the provisions in Special Conditions shall take precedence over the provisions in the General Conditions of Contract.

   All additional facilities/equipment/office etc to be provided by the contractor, as mentioned in the tender, document outside the BOQ shall not be paid separately, and shall be deemed to have been included in the rates quoted by the contractor.

2. **ACCESS**
   The Contractors are to verify the work site details including:
   a) Access,
   b) Availability of water supply and electrical energy,
   c) Space for dumping stores and materials and
   d) Space for erection of site office,

   The Contractors are deemed to have catered for all contingencies connected with the site, access, water & electricity.

3. **SUPPLY OF WATER**
   Water will not be supplied by NRDA and the Contractor shall make his own arrangements. NRDA will give recommendatory letter to the concerned authority if so requested by the Contractor. However, NRDA shall be in no way responsible for obtaining permission and no claim on account of this will be entertained.

4. **ELECTRIC SUPPLY**
   (a) Electric power both for construction and lighting shall not be made available to contractor. Contractor shall arrange at his own cost power with necessary switch boards, energy meter etc. and shall be responsible for their maintenance.

   (b) Further distribution by the Contractor at his cost shall be done as per approved layout. He shall provide required clearances for overhead lines to facilitate easy movement of heavy machinery such as cranes etc. These shall be shifted and rerouted at Contractors cost during execution of work if the same are found to obstruct any other work of any agency working at site or requires shifting due to unforeseen reasons.

   (c) On completion of the work the Contractor shall remove all wiring installed by him and make good to the satisfaction of Engineer if any disturbance or damage is done.

   (d) The Contractor shall employ an Electrical Agency as approved by the Engineer for carrying out this work.

   (e) The Contractor has to keep alternative arrangement ready at his own cost for any failure/interruption of electric power that takes place and under no circumstances can this be deemed to be reason for any consequential delay in the works.

   (f) Any disputes in sharing of power obtained directly/indirectly from CSEB with other agencies shall be resolved by the contractor at his risk and cost. NRDA shall not be responsible or a party for such disputes.

5. **DEFECT LIABILITY**
   The Contractor shall be responsible for rectification of defects, during the defect liability period as per clause 17 of GCC after the certified date of completion by the NRDA. This period shall be known as Defects Liability period as defined in CL. No. 17 of the General Conditions of Contract.
Subsequent to the taking over of the works and after it has been in use, its removal/correction of defects would be the responsibility of the Contractor. Any defects or failures during this period shall be rectified by Contractor within one week of intimation in writing. If the same is not carried out in the stipulated time, NRDA shall have the right to get it repaired departmentally or through any other agency, entirely at the risk and costs of the Contractor as detailed in the GCC clause.

No. 17.

6. **SAMPLES**

6.1 Material

(a) The Contractor shall furnish to Engineer for approval, with reasonable promptness and with reasonable time for consideration, adequate numbers of samples of all the materials to be used in the work, irrespective of whether material/product is from approved list given in tender. He shall permit and account for all costs in his quotation toward supply, testing, examination at site or at any approved place by the Engineer. The choice of approval of materials rests with NRDA unless otherwise specified.

(b) All material samples shall be delivered to the Engineer's office at the Contractor's cost. Each sample shall be in duplicate and properly labelled as under:

- Name of Project
- Name of Contractor
- Name of Product
- Name of Manufacturer
- Item reference of BOQ
- Date of Submission

(c) Samples shall be accompanied with technical specifications/catalogues/test results of manufacturer.

(d) In case the Contractor intends to keep an approved sample in his possession, he shall submit additional set of samples for Engineer's approval.

6.2 Standards of Acceptability

(a) In order to establish the standards of acceptability for materials and finishes, the Contractor shall finish in all respect a mock up for each pro-type room. The material used in this shall be as approved and special attention shall be paid to establish the workmanship and finishing standards to be achieved for the project.

(b) The Contractor shall give notice in writing in this respect and shall obtain approval through Engineer in Charge from the CE NRDA. Approval should be taken well in advance so as not to delay execution of work.

7. **TESTING OF MATERIALS IN THE LABORATORY**

Testing of Materials use in manufacturing of chairs/Furniture’s shall be carried out as per relevant IS codes, in one of the following laboratory:-

- i) Chief Engineer (PWD) Laboratory, Raipur
- ii) National Institute of Technology, Raipur
- iii) Govt. Engineering College, Raipur
- iv) B.I.T., Durg
- v) Sriram Test House, New Delhi
- vi) CIPET
- vii) National Test House.

Signature of Contractor……………………
Signature of NRDA……………………………

Page 3 of 27
7.1 In case, certain testing facility for typical/ special materials are not available in Chhattisgarh, and then it can be tested at a recognized laboratory anywhere in India.

7.2 All testing charges for the above shall be borne by the Contractor. In case, the testing charges demanded by the testing authorities is not paid by the Contractor within 15 (fifteen) days, then the same will be paid by NRDA with due recovery from the Contractor’s bill for the project.

Following are the tests to be done at other laboratories as and when required by NRDA-

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<tbody>
<tr>
<td>a. Concentrated Load Test</td>
<td>b. Distributed Load Test</td>
<td>c. Top load Ease Cycle Test</td>
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<tr>
<td>d. Desk / Table unit Drop Test</td>
<td>e. Leg Strength Test</td>
<td>f. Sliding shutter Test</td>
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<tr>
<td>g. Slide Fatigue Test</td>
<td>h. Reliability Test of EOH</td>
<td>i. Extendible element cycle test</td>
</tr>
<tr>
<td>j. Hinge Reliability Test</td>
<td>k. Shelf Testing</td>
<td>l. Castor reliability Test</td>
</tr>
<tr>
<td>m. Castor wheel fatigue Test</td>
<td>n. Element door hinge testing</td>
<td>o. Slide Fatigue test for Keyboard Tray</td>
</tr>
<tr>
<td>p. Screen Stability Test</td>
<td>q. Humidity Test</td>
<td>r. Powder coating quality test</td>
</tr>
<tr>
<td>s. Prelaminated board quality test</td>
<td>t. Metal quality test</td>
<td>u. Fabric quality test</td>
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<tr>
<td>v. Quality test for any other items used</td>
<td>w. Structural stability test of any item</td>
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Along with the supply of material at site, contractor shall provide all necessary test certificates for all types of material used in the work.

8. CRECHE FACILITIES FOR THE CHILDREN OF CONSTRUCTION LABOURER

Contractor undertakes to provide creche facilities for the children of construction labour through a volunteer agency within one month from start of work. The facility is open to children of construction labourers employed by the Contractor. In case the Contractor fails to provide this facility within stipulated time, following charge shall be levied on the Contractor.

<table>
<thead>
<tr>
<th>Range of Contract Amount</th>
<th>Amount of Creche fund</th>
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<tr>
<td>Upto Rs. 50 lacs</td>
<td>Nil</td>
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<tr>
<td>Above Rs. 50 lacs to Rs. 5 Crores</td>
<td>Rs. 50000/-</td>
</tr>
<tr>
<td>Above Rs. 5 Crores</td>
<td>Rs. 5 lacs.</td>
</tr>
</tbody>
</table>

8.1 The amount shall be recovered if such facility is not provided by the Contractor from running account bills in one or more instalments but not exceeding 6 (six) instalment.

8.2 If the facility is provide after 3 month, 50% of the amount shall be refunded to the contractor, after 6 month 25% will refunded.

9. SUBMISSION OF DETAILED BAR/PERT CHART OF COMPLETION

The Contractor shall, within the stipulated time in Tender, submit to the Engineer for his approval a detailed programme covering-

a) Descriptive note explaining sequence of various activities.
b) Network (PERT/CPM), bar chart.

c) Quarterly programme of supply of materials by the Employer.

d) Quarterly cash flow indicating money to be earmarked by the Employer for the purpose of the contract.

e) Programme for supply of working drawing.

f) Phased requirements of plant and equipment to be deployed by the Contractor.

10. Method of Working

1. After Contract award and before starting work at the site, Contractor, NRDA’s representative, and Architect shall together make a thorough survey of the area where Work under this Contract will occur and areas to be used as access ways to the Work areas. Contractor shall list, and photograph, if Contractor desires, existing conditions not requiring alterations, shall note discrepancies between Drawings and existing conditions, and shall designate areas of storage and routes of access agreed upon by NRDA.

2. The Contractor shall, within the stipulated time in Tender, submit to the Engineer for his approval the following information,
   a) A general tentative lay-out plan of equipment for the execution (including materials) of work within time period stipulated in schedule.
   b) Drawings or prints showing the location of major plants and other facilities which he propose to put up at the site, including any changes in the general layout, at least 15 (fifteen) days prior to the commencement of the respective work.
   c) Layout and details of temporary works that the Contractor wants to carry out to fulfill his obligation under the contract.

3. Within 7 (seven) days the Engineer shall give their approval to proceed with the work, with or without modification. However acceptance of programme and method of working as submitted by the Contractor or with any modification there to in the opinion of the Engineer, shall not relieve the Contractor of any of his contractual obligation.

4. All these programmes and plans submitted by the Contractor and approved by the Engineer shall become part of the contract.

5. The acceptance of programmes as submitted by the Contractor or with any modification thereto in the opinion of the Engineer, shall not relieve the Contractor of any extension of time unless delay, if any, is expressly sanctioned by the Engineer.

11. Project Monitoring

11.1 Within 7 (seven) days the Engineer shall give their approval to proceed with the work, with or without modification. However acceptance of programme and method of working as submitted by the Contractor or with any modification there to in the opinion of the Engineer, shall not relieve the Contractor of any of his contractual obligation.

11.2 All these programmes and plans submitted by the Contractor and approved by the Engineer shall become part of the contract.
11.3 The acceptance of programmes as submitted by the Contractor or with any modification thereto in the opinion of the Engineer, shall not relieve the Contractor of any extension of time unless delay, if any, is expressly sanctioned by the Engineer.

11.4 **Project Photographs**

A General: Contractor will provide project photographs taken, developed, printed, and mounted by a recognized commercial photographic studio or reputable photographer acceptable to Owner, in the number and type and at construction stages enumerated below:

(i) Before Starting Work: Have photographs taken at site from different points of view sufficient in number to show site (and conditions at existing structures) but not fewer than 30 photographs.

(ii) During Progress of the Work: Have not fewer than 15 photographs taken at least once a week from points of view (both inside and outside), as necessary to show progress of construction and site development for each part of the Work. Co-ordinate taking photographs with utility Work and back filling. Photograph each buried utility line before back filling. During later stages of the Work, have photographs taken from suitable locations inside the building showing the progress of various stages of the Work, such as piling, centering, reinforcement, water proofing, concreting, etc. Size of photographs will be 125 mm X 250mm. Photographs shall be supplied with negatives/ CD to the Engineer. Each photograph shall be attached with date of photograph and location of work. These photographs shall be from location as fixed by the Engineer at start of work.

12. **CONTRACTORS ALL RISK POLICY (C.A.R. POLICY)**

The successful Contractor shall take out a C.A.R. policy from any approved company by IRDA India, Chhattisgarh Govt., administered by Directorate of Insurance. The policy so obtained shall cover the entire period of construction (including all extensions) and also shall cover the defects liability period. The policy shall be for the total contract amount including cost of free supply material by NRDA, if any. All amounts/ charges towards premium etc. on this account shall be borne by the Contractor.

13. **INDEMNITY BOND**

The Contractor shall require to execute an Indemnity Bond for satisfactory performance of the entire project on stamp paper of Rs.100/- (Rupees Hundred only) in the format approved by the NRDA Ltd. This Indemnity Bond shall remain in force for the Defect Liability period after completion of the project to be furnished in contract form E of GCC.

14. **ACCIDENTS**

Should any accidents, fatal or otherwise occur, a detailed report about the same shall be made promptly by the Contractor to the Engineer. The Contractor should at all times during execution of work keep the NRDA fully indemnified against all risks, claims, litigations and financial burdens arising out of all incidental operations on work and accidents.

15. **TRAFFIC**

The Contractor shall have to make all necessary arrangements for regulating traffic day and night during the period of construction and to the entire satisfaction of the Engineer. This includes the construction and maintenance of diversion, if necessary, at no extra cost to the NRDA. The Contractor shall provide necessary caution boards, barricades, flags and lights, watchmen etc.
so as to comply with the latest Motor Vehicle Rules and Regulations and for traffic safety. The Contractor shall be responsible for all claims for the accidents which may arise due to his negligence whether in regulating traffic, in stacking materials on the road or by any other reason.

The contractor must comply with the following:-

A. General: Plan and control use of site and access to site in co-operation with Owner and other contractors working at site to minimise disruption of use of other facilities; portions of buildings and site areas affected by this Contract and to remain in use; and the work of other contractors.

B. Temporary Access Drives: Construct on the premises as necessary, and maintain in good usable condition; remove when no longer needed. Until permanent improvements have been completed, when necessary to prevent excessive dust, periodically water temporary unpaved access roads.

C. Construction Site Access: Use most direct route from public streets as agreed to by Owner. Construction traffic elsewhere on Owner's property is prohibited.

D. Driveways Between and Around Combustible Storage Piles: Maintain at least 15 feet wide and free of accumulation of rubbish, equipment, and materials.


F. Use of Streets and Sidewalks on Public Property: Make arrangements with authorities having jurisdiction for use. Restrictions shall be those of the Municipal Authorities. Be solely responsible for adherence.

G. Roadways, Driveways, and Walkways: Where outside indicated Contract limit on Owner's property and on public property, keep open to pedestrian and vehicular traffic at all times. When temporary closing of a roadway, driveway, or walkway is absolutely unavoidable, provide alternative access routes. Such temporary closings shall be approved by Owner in each case and shall be for the shortest possible time. Strictly adhere to requirements of governmental authorities having jurisdiction.

H. Parking: Owner will issue temporary parking permits for use by construction personnel and will make available, at the location shown. Construction personnel shall not park in any other location on Owner's property, even when bearing permits. Access to allocated parking spaces shall be by most direct route from public streets. Construction personnel shall not drive vehicles elsewhere on Owner's property and shall take the most direct pedestrian way along walks and roadways (not on lawns) from parking lot to construction site.

I. Barricades and Signs: Should barricades or directional signs for traffic control be necessary, prepare and install such signs and barricades of approved size, colour, and lettering or other markings. Remove signs when no longer needed, or at Substantial Completion, whichever is latest.

J. Restricted Use of Premises: Enforce Contract requirements, local ordinances and Owner's instructions pertaining to signs, fires, smoking, trucking, parking, and other use of premises.

N. On-Site Storage:-

1. General: Extent of Work and site area available limits amount of on-site material and equipment storage. Do not unnecessarily encumber job site with excess materials or equipment and means of delivery of materials, equipment, and supplies, removal of rubbish, and, hours during which deliveries may be made. Determine, and take into account in the Work, limitations on storage space and of times, rates, and means of deliveries to and removals from the job site whether such limitations are imposed by laws, rules, ordinances,
or physical conditions. Owner will not pay extra amounts due to such limitations. Co-ordinate arrangements for delivery and storage of materials.

2. Paved Areas: Do not use paved areas on Owner’s property to stockpile excavated materials or to store construction materials except where shown. Use of paved areas on public property is subject to requirements of authorities having jurisdiction, and arrangements for such use are solely Contractor's responsibility.

3. Protection and Repair: Protect roadways, walks, and other permanent site improvements, and access ways subject to damage. Satisfactorily repair improvements and surfaces damaged during construction operations, or remove damaged improvements or surfaces and provide new acceptable improvements or surfaces. Except where new Work is required, return areas used for temporary access to original condition.

16. ALIGNMENT AND BENCH MARKS
The alignment of the work to be carried out under the contract shall be marked on the floor as per the drawing and as per the instructions of the Engineer. For the purpose of facilitating the work, the series of temporary bench marks in reference to the existing column and wall will have to be established. All expenses involved in the process of marking alignment on floor, checking the alignment in establishing bench marks thereon, shall be borne by the Contractor.

17. PREVENTION OF MOSQUITO BREEDING AT CONSTRUCTION SITE
The Contractor shall on the respective construction site install mosquito proof and accessible water storage tanks or to cover/protect the present water storage tanks properly. The Contractor shall periodically give larvaecidal treatment to water storage tanks, sites of water stagnation, water collection.

Any expenditure that may be incurred by NRDA to ensure that the above conditions are fulfilled by the Contractor will be debitable to Contractor's account and will be recovered from the bills of the Contractor from time to time.

18. INSPECTION OF SITE AND SUFFICIENCY OF THE TENDER
If the NRDA is not in a position to deliver to the Contractors the site of the Contract work for any reason whatsoever at the agreed time, delaying the commencement of the contract work, or part thereof not beyond 50 % (fifty percent) of contract period for completion, such omissions of the NRDA shall not be breach of any its obligations under the contract and the Contractor shall not be entitled to claim from the NRDA for loss or damage, if any, caused thereby, but shall be entitled to a reasonable extension of the period agreed for the completion of contract work. If the contractor shall be obstructed in the execution of the work by any person other than an agent or servant of the NRDA, the Contractor shall exclusively deal with such set by the due process of law but shall not be entitled to attribute thereby the beach of any obligation under the contract to the NRDA compensation for damage or loss, if any, thereby suffered but shall be entitled to an appropriate extension of period agreed for the completion of the contract work, provided that the contractor has reported to the NRDA every such act of obstruction with particular soon after its occurrence and the NRDA has after enquiry found the same to be substantially true and has determined the duration of such obstruction.

19. PROGRESS OF WORK
The Contractor shall carry out the work as per the programme approved by the Department from time to time. He will also not be allowed to proceed with the work in a scattered manner.

20. FIELD LABORATORY
21. ENGINEER
   21.1 Engineer for this project shall be the Engineer or the person nominated or
       appointed by NRDA from time to time and shall include any person duly authorised by
       them.
   21.2 Engineer shall be responsible for the execution of the project with regards to
       management and supervision. Instructions issued by the Engineer to the Contractor shall
       be deemed to be the Employer's instructions in respect of-
       1. Day to day supervision including material testing using ISO formats proforma of
          which should be got approved from Engineer.
       2. Approval of material and workmanship using ISO formats proforma of which
          should be got approved from Engineer.
       3. Matter of urgency involving safety or protection of person or property.
       4. Monitoring progress of work using System Application of Projects (SAP). (Refer
          3.5 hereunder).
       5. Interpretation of drawings
       6. Interpretation of specifications
       7. Issue of additional drawings
       8. Certification of measurements and bills and issue of certificates accordingly for
          interim and final bills.
   21.3 Engineer shall hold fortnightly progress meetings at site for evaluation and
       execution of works. The Contractor shall assist in providing revised programmes, cash flow
       charts in the format required by Engineer/ NRDA.
   21.4 The Engineer shall coordinate works at site of all agencies appointed by the
       Employer.

22. EXCAVATED OBJECTS

23. AS BUILT DRAWINGS
   The Contractor shall during the course of execution, prepare and keep updated a complete set of
   'as- built' drawings recording all works on the blue prints, which shall be corrected daily, if
   necessary, to show each and every change from the Contract Drawings as a approved working
   drawings, shop drawings and the exact 'as-built' location, sizes and kinds of work etc. This set of
   drawings shall be kept on the site and shall be used for record purposes. Changes recorded shall
   be countersigned by the Engineer and the Contractor. Copies of 'as-built' drawings shall be
   supplied to the CE), NRDA/ and the Engineer on request.
   The Contractor shall submit complete 'as-built' drawings on reproducible tracings and ammonia
   prints 10 (ten) sets in form of hard copies and Compact Discs 2 nos. for building work and all
   services as directed by the Engineer within 30 (thirty) days of the completion of entire work by
   using AutoCAD facility. Maintenance manuals and original warranties shall be submitted at the
   time of submitting the As-built drawings. In case the Contractor fails to submit complete 'as-built'
   drawings as aforesaid [in form of hard copies [10 (ten) sets] and Compact Discs [2 (two) nos.], he
   shall be liable to pay a sum equivalent to 0.1 percent of the value of work subject to maximum of
   Rs.10 lakhs (Rupees ten lac only) or as may be fixed by NRDA and this decision shall be final and
binding. Pre-final & Final Bill shall not be released until all the as-built drawings are submitted & approved.

24. ENGINEER’S SITE OFFICE
   Deleted

25. PROVIDING COMPUTER & OTHER EQUIPMENTS AT SITE OFFICE
   Deleted

26. TELEPHONE CONNECTION
   Deleted

27. TIME SCHEDULE FOR COMPLIANCES
   The tenderers should please note the following time schedule for various compliances and follow the same:
   a) The Initial Security Deposit shall be paid within 15 (fifteen) days of receipt of Letter of Acceptance.
   b) The Contractor should construct the site office within 1 (one) Wk of date of work order. The site office should be as per relevant clause in the tender document.
   c) The CAR policy and Labour license shall be taken by the Contractor within 1 (one) Wk from the date of work order.
   d) The M.S. Project formatted programme (Physical and Financial Programme) shall be submitted by the Contractor within 5 (five) days of the date of work order and detailed breakup of quantities. The successful tenderer has to furnish Quality Assurance Manual along with programme within 7 (seven) days from the date of paying Initial Security Deposit.

28. APPROVAL OF ENGINEER
   The Drawings and materials shall be got approved from the NRDA/ Engineer or his authorised representative. At every stage of work, approval of the Engineer shall be taken by the Contractor. Before starting any work detailed information of the work in the prescribed proforma shall be given to the Engineer and his approval shall be taken by the Contractor. All the measurements shall be taken jointly by NRDA’s representative and the Contractor’s authorized representative and then only the measurements will be forwarded by the Engineer, who will forward it for payment to Chief Executive Officer, NRDA through Chief Engineer, NRDA and directions on any matter whether mentioned explicitly or otherwise.

29. PERMISSION FOR CONSTRUCTION OF SITE OFFICE/ GODOWN/ LABOUR HUTS:
   The Contractor shall be permitted to construct temporary structures such as site office, godown, labour huts, Engineer site office, etc. on the land of NRDA within 1 Km radius of site. The Contractor will have to submit requirement of land for Godown/ Labour Camp/ Batching Plant etc. with logistic layout in Technical Bid. The land shall be provided to the Contractor on Lump sum lease rent of Rs. 100/- (Rupees Hundred only) per year with Lease Agreement as per prevailing NRDA format. However the Contractor shall require permission of NRDA for erecting site office, labour huts. In the event the Contractor fail to remove site office/ godown and labour huts from the land immediately after construction is over, NRDA will charge rent as per the rules prevalent at the time. No final bill payment shall be made, unless the site is cleared by the contractor in all respects.
   The Contractor shall number the structures and display name of the Company, period for which permission is granted, etc. at such approved sites.
   No final bill payment shall be made unless the site is cleared in all respects by the Contractor.
30. **CONDITIONAL TENDER**

The Tenderer shall note that the clarifications shall be obtained in the pretender meeting and the tender should be submitted without any conditions, whatsoever. Clarifications given to the various tenderers in the pre-tender meeting would be summarized by NRDA and would be issued to every tenderer as "Minutes of Pre-Tender Meeting". The same will be binding on all the tenderers irrespective of whether they have attended the pre-tender meeting or not. The Minutes of the Pre-Tender Meeting would form part of the Contract Agreement and the Tenderers should submit the Financial Offer taking into consideration the same. The Tender submitted with conditions would be summarily rejected.

31. **SITE ORDER BOOK & OTHER BOOKS REQUIRED**

The Engineer will maintain Site Order Book at the site of work. The Contractor or his authorized representative shall sign all the instructions received therein, in token of having received the same and shall comply with them forthwith.

All other books of record at site shall have to be maintained as required in the CPA Code of works.

32. **POURCARD SYSTEM**

Pour card system/RFI system to be introduced for approval of individual activity. Format to be got approved from engineer before start of work.

33. **CLEANING OF SITE**

a) All water which may accumulate on the site during the progress of the works or in trenches and excavation shall be removed from the site to the satisfaction of the Engineer at the Contractor's cost. Site shall be maintained free from rubbish. Proper stacking of scaffolding material, shuttering material bricks/brickbats, steel pieces, etc. needed for work on day to day basis shall be organized in proper stacks. Heaps of material lying around in unplanned manner and disorderly fashion shall not be permitted. Engineer's decision in this matter shall be final.

b) The Contractor shall not, at any time, do cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to Employer, tenants or occupiers of other properties near the site and to the public in general. The Contractor shall install mosquito proof and accessible water storage tanks for construction and drinking water.

c) The Contractor shall periodically give largasidal treatment to water storage tanks, sites of water stagnation, water collection.

d) Prior to handing over the contractor shall appoint Professional Cleaning Agency to clean the building works prior to handing over. The Agency shall have minimum 5 (five) years prior experience in the hospitality industry and shall be appointed with the prior approval by the Engineer.

e) Any expenditure that may be incurred by NRDA to ensure that the above conditions are fulfilled by the Contractor will be debitable to Contractor's account and will be recovered from the running bills of the Contractor from time to time.

f) **Cleaning:** Remove staining or reactive materials from new surfaces immediately during course of the Work.

g) **Debris:** Remove hazardous accumulations of debris promptly, at least daily.

h) **Dust:** Confine dust producing operations during painting and finishing. Vacuum immediately after completion.

i) **TRASH DISPOSAL**
34. **FENCING**

During the construction, care shall be taken so that, areas around are not polluted and where required Hessian cloth shall be tied around, while work is in progress.

Further, it is obligatory on the part of the Contractor to fence the area allotted and earmarked by NRDA for labour camp, batching plant of the Contractor within a month of issuance of work order. The temporary fencing shall be provided in the area as directed by Engineer using vertical blinds using corrugated GI sheets about 3m high with necessary metal frame work and staging to cordon off the view of the premises. The Contractor shall maintain the fencing properly throughout the construction period.

35. **WATCH AND WARD**

The Contractor shall make necessary watch and ward arrangement for a period of three months from the date of total completion of work. No claim shall be paid to the Contractor towards the watch and ward during this period.

Protection General Requirements:

a) **Laws:** Comply with applicable laws, ordinances, rules, regulations, and orders of authorities having jurisdiction for safety of people and protection of property from damage, injury, or loss.

b) **Responsibility:** Be solely responsible for initiating, maintaining, and supervising safety precautions and programs concerning Project security, but obtain Owner's approval of methods to be used and location of safeguards. Submit to NRDA, through Engineer, drawings and written description of methods and devices Contractor intends to use and do not begin Work at the site until such means and methods are mutually agreed on by Owner and Contractor.

c) **On Public Property:** In addition to other means used in the interest of safety or security, comply with the requirements of governmental agencies having jurisdiction

d) **Safeguards:** Erect and maintain, as required by conditions and progress of the Work, necessary safeguards, for safety and protection, including temporary fences, guards, railings, barricades, canopies, lighting, shoring, directional and danger signs, signals, and other warnings against hazards.

e) **Security:** Protect and secure the site, new materials and equipment from theft and damage by whatever reasonable means are effective. Use methods such as the following, singly or together: locks, fences, signs, patrols, radio, alarms, locked storage on-site, and off-site warehousing.

f) **Wall Closures:** Unless other acceptable means are provided, provide temporary closures for openings in walls along adjoining to make the building and site secure. Secure
temporary closures when Work is not in progress using suitable means such as dead bolts inaccessible from the public side or locks or padlocks construction master keyed in accordance with Section, “Finish Hardware.”

g) **Entrances**: Do not block entrances to premises to remain in use or in any way inhibit access to them.

h) **Design Live Loads**: Do not permit placing materials or equipment on new to exceed design load of structure or endanger structure or people.

i) **Trenches**: Do not permit trenches to remain open for prolonged periods without adequate board covering or fencing.

j) **Broken Glass**: Be responsible for glass broken during construction period; at completion, replace broken glass.

k) **Weather Protection**: During construction, provide protection against weather (rain, wind, storms, frost, or heat), and maintain work, materials, apparatus, and fixtures free from damage. At end of each workday, cover new work likely to be damaged.

l) **Dust**: Take precautions necessary to keep Work under this Contract and adjoining property reasonably free of dust.

m) **Protection of Construction Materials**: Refer to other specification sections for specific requirements.

n) **Materials Hoist**: Do not permit transporting of people on materials hoisting facilities.

o) **Removals**: Except for fences, remove temporary construction and protection specified in this section promptly when no longer needed and when removal is approved.

p) **Maintain temporary fences until date of Substantial Completion, unless approval is obtained for earlier removal; then remove the temporary fence.**

q) **Damaged Site Improvements**: Repair and restore to condition at beginning of construction, or better, existing site improvements, such as pavements, curbs, buildings, fences, lawns, plantings, and lighting which are not to be removed under this Contract but are damaged or defaced by Contractor’s operations, except where new Work is required by the Contract.

r) **First Aid Equipment**: Provide at the site. Also provide continually available trained and qualified personnel to render first aid when needed.

s) **Emergency Signs**: Provide signs posted at telephones listing telephone numbers of emergency medical services, physicians, ambulance services, and hospitals.

### 36. MOBILISATION PERIOD

This clause shall be read in continuation of Clause No 10 (B) (ii) of GCC. The mobilization advance shall be limited up to 5% of value of work order. The mode of release of mobilization advance shall be as follows:-

(i) 1% shall be released after issue of work order.

(ii) 2% shall be released after completion of activities listed below.

(iii) 2% shall be released after successful installation of machineries

Mobilization period for the Contractor shall be fifteen days from date of letter of intent. Contractor is obliged to adhere to these timings.

This shall be of 15 (fifteen) days and the Contractor shall carry out following:

- Contractor’s Site Office (part). Engineer’s Site Office.
• Construction of temporary hutment of labour.
• Arrangement for water supply.
• Arrangement for electric supply.
• Submission of Bar Chart programme for approval by Engineer with details of temporary works, plants, equipment and machinery list.
• Establishing full site godown for material yard.
• Establishing internal water supply for construction activities. Establishing internal electric network for construction activities.
• Submitting for approval a list & appointment of specialized sub contractors intended to be engaged at site with detailed credentials/ profile of the contractors.
• Appointment of Anti-termite sub-contractor.
• Establishing laboratory with testing equipments.
• Approval of Bar Chart programme by Engineer with details of temporary works, plants, equipment and machinery list.

Line out including establishing of grid lines for project and its approval by Architect through Engineer.

37. METHOD OF CARRYING OUT THE WORKS

The Contractor shall, within 15 (fifteen) days of receipt of the Employer’s order to commence work under respective clause of General Conditions of Contract submit for his approval a detailed programme and statement with drawings and diagrams showing how he proposes to carry out the works based on the tender programme. The statement shall describe the methods to be employed in carrying out the works, the Constructional Plant and temporary works which the Contractor intends to supply or use and shall include a list, classified into trades of labour force envisaged. The programme shall give the estimated dates on which the various sections of the works will commence together with the estimated date of completion and estimated output so that the whole of the works may be completed within the Contract Period.

a) In addition, the Contractor shall submit to the Engineer drawings and full particulars of Temporary Works he intends to construct at least 8 (eights) days before he intends to commence such works. The Engineer may require modifications to be made if he considers the proposals to be insufficient and the Contractor shall give effect to such modifications at his own cost but shall not be relieved of his responsibility for the sufficiency thereof.

b) The Contractor shall prepare a detailed survey of existing services on the site which he shall clearly mark up on a drawing for the approval by the relevant service authorities prior to commencement of the works.

c) The Contractor is to progress the works thoroughly and to take such action as is necessary in order to ensure that the approved programme is strictly adhered to in all its stages. The Contractor shall submit detailed programmes of the various sections of the works as and when required by the Engineer, the Contractor shall take all precautions and cover all contingencies to ensure that adequate spare equipment and materials are available at all times to ensure completion of this work in accordance with the agreed programme.

d) The acceptance of programmes as submitted by the Contractor or with any modification thereto, in the opinion of Engineer, shall not relieve the Contractor of his responsibility to complete the work within period specified in as per Annexure ‘A’ unless extension of time limit is expressly sanctioned under respective clause of
standard General Conditions of Contract or Special Conditions of Contract.
c) The Contractor shall prepare the CPM programme on computer and the same to be monitored by proper installation of PC and printer facilities at the site.
f) The bills shall be on computer and the programme will incorporate the deductions of Mobilisation Advance and other items.

38. CONTRACTOR RESPONSIBLE FOR SUFFICIENCY OF MEANS EMPLOYED

The Contractor shall take upon himself the full and entire responsibility for the sufficiency of plant, centering, scaffolding, timbering, machinery, tools or implements and generally for all means used for the fulfilment of the Contract. In the event of any of these means proving insufficient, the Contractor is still fully and entirely responsible for the sufficiency of these means notwithstanding any previous approval or recommendation that may have been given by the Engineer.

39. DRAWINGS

The Contractor will receive from the Engineer, 2 (two) prints of the tender drawings listed hereof, together or thereafter with any further drawings issued for Road, Water Supply Net Work, Sanitation Electrical, Landscaping Works, etc. Working drawings shall be progressively issued as per the approved construction schedule submitted by the contractor & approved by NRDA.

40. STANDARDS

In various places throughout this specification and the bills of quantities, reference is made to the standards, specifications and byelaws issued by the Indian Standard Institutions and other similar organizations. These references shall in every case be deemed to include the latest edition or issue of such standards, specifications and byelaws including all revisions, amendments and addendum subsequently issued. Where materials are not specified and standard exists in respect of such materials, then the materials shall in all respects comply with relevant and current I.S.I. In such cases where I.S.I. do not exist, the best manufacturers’ specification shall be followed; in absence of all these, Engineer's instruction shall be followed.

41. SUPERVISORY STAFF (As per clause 36 (i) of schedule F of the tender)

The Contractor shall engage on the work a qualified and experienced Engineers, Supervisor, capable of managing and guiding the work properly as detailed in Cl36(i) of schedule F of the tender Form F-1. This supervisor shall be authorized by the Contractor in writing to receive the orders issued by the Engineer from time to time. The Contractor shall be responsible for carrying out these orders promptly.

42. FIRE PRECAUTIONS

The Contractor shall comply with fire regulations of the controlling authority in force at the site of the works relating to the precautions to be taken against fire hazards.

43. USE OF SITE

The Contractor shall not use any portion of the site for purpose not connected with the works without the prior written approval of the Engineer. He shall maintain permanent and site access roads free of spillage and shall not interfere with the flow of traffic. Also same shall apply to

Signature of Contractor……………………………… Signature of NRDA………………………………
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

terraces and other developed areas. This clause shall be read in conjunction with clause no. 15 of the Special Conditions of Contract.

44. SAFETY ENGINEER

The Contractor shall employ and depute at site on full time basis a fully qualified Safety Engineer(s) who shall be responsible to ensure observance of safety precautions and measure required to be taken at site. Further he shall make sure stipulations laid down in safety code as provided in GCC.

45. QUALITY ASSURANCE MANUAL AND SAFETY MANUAL

Successful tenderers will be required to submit Quality Assurance Manual and Safety manual made as per applicable specification for various items of work and get the same approved from Engineer before start of work and the adhere the same during actual execution of work.

i. Quality Assurance Manual (QAM)

A quality assurance manual constituting a base document outlining quality policy of the agency, procedures, name of action, compliance, acceptance criteria and documentation etc. Shall be prepared by the successful tenderer and submitted to the Engineer for approval within 15 (fifteen) days from the date of receipt of work order. The QAM shall be prepared in such a way that it follows all the applicable specifications. The document shall generally cover aspects listed below, but not limited to the same.

Scope of work

a) Planning for items to be executed including method statement and resource deployment both physical and financial.

b) Identification of all parties involved in QA and their inter-relationship.

c) Execution plan of Quality System giving reference - standard - frequency and acceptance criteria.

d) Levels of cross checking/ verification in case of multiple verifications/ controls, including systems of inspection and audit, wherever applicable.

e) Organization of personnel, responsibilities and lines reporting for QA purpose.

f) Testing and statistical analysis.

g) Inspection reports at the end and during defect liability period/ maintenance period.

h) Items to be covered for maintenance manual,

i) Check list viz. Forms and formats.

ii. Inspection of Works at Factory/ Workshop

For any visits that may be necessary for the purpose of performance of testing, inspection of factory made goods/ equipments, at a location other than the site or Raipur, the actual cost of travel (to & fro airfare/ train A/c 1st class), boarding & lodging, local transport & per diem (per person per day) costs at the rate of Rs. 3000 (Rupees three thousand only) for any visit made by officials from NRDA/ PMC/ Architect/ Consultant (maximum 3 (three) persons per instance), shall be borne by the Contractor. Such visits may be necessary for the inspection of chillers, panels, elevators, transformers, DG sets, fabricated doors, etc. that require inspection prior to shipping from the place of its manufacture. Any other item which is required to be tested before being processed/ fabricated in the factory, such visits shall require the prior written approval from the NRDA.
46. QUALITY ASSURANCE SYSTEM

A quality assurance procedure covering all aspects of the work shall be adopted for this work to ensure the desired quality. Details of the procedure shall be decided by mutual consultation between the Engineer and the contractor at the start of the works.

a) The contractor shall submit within the time stipulated by the Engineer in writing, the details of actual methods that would be adopted by the contractor for the execution of any item as required by the Engineer at each of the locations, supported by necessary detailed drawings and sketches including those of the equipment and machinery that would be used, their locations, arrangements for conveying and handling materials etc., and obtain prior approval of Engineer well in advance of starting of such item of work.

b) The Engineer reserves the right to suggest modifications or make complete changes in the methods proposed by the contractor, whether accepted previously or not, at any stage of work, to obtain the desired accuracy, quality safety and progress of work which shall be binding on the contractor and no claim on account of such change in method of execution will be entertained by the Employer so long as Specifications of the items remains unaltered.

c) The Contractor shall furnish within the period of 15 (fifteen) days a detailed programmed schedule using PERT/CPM technique in quadruplicate including the date of actual start, the monthly progress expected to be achieved and the anticipated completion date of each major item of work to be done by him, also indicating, plant and machinery and material procurement schedule.

d) The schedule is to be such as is practicable of achievement towards the completion of the whole work in the time limit and of the particular items, if any, on the due date specified in the contract and shall have the approval of the Engineer. No revised schedule shall be operative without such acceptance in wiring. The Engineer is further empowered to ask for more detailed schedule or schedules say weekly for any item or items, in any case of urgency of work as will be directed by him and the contractor shall supply the same as and when asked for.

c) The contractor shall furnish sufficient plant, equipment and labour as may be necessary to maintain the progress schedule. The working and shift hours for operations to be done under.

f) Further, the contractor shall submit the progress of work in forms and statements etc. at periodical intervals in the form of progress charts, forms, statements and/or reports as may be approved by the Engineer.

g) The contractor shall maintain proforma, charts, details regarding machinery, equipment, labour, materials, periodical returns thereof as may be specified by the Engineer.

47. EQUIPMENT MAINTENANCE MANUAL

The Contractor shall mention the list of machinery procured at site for the work in this manual. This manual shall also reflect the name of the manufacturer, age of machinery and the agency entrusted with the maintenance work of the machinery listed in the manual.

48. MINIMUM PLANTS, EQUIPMENTS AND SHUTTERING

Deleted
49. **SUBMITTALS**

Unless otherwise specified or directed by NRDA, the Contractor shall submit to NRDA for his review and approval all Co-ordinated services drawings, shop drawings, samples, materials lists, equipment date, instruction manuals, record documents, manufacturers' equipment manuals, design calculations for proprietary items of work, technical submittals, and other information required by the Contract Documents. Submittals and their contents including deviation shall be properly prepared, identified, and transmitted as provided herein or as the Owner may otherwise direct. Except for record documents and instruction manuals for operation and maintenance, submittals including deviation shall be approved before the material or equipment covered by the submittal is delivered to the site. The contractor shall furnish an authority if required from material suppliers.

50. **PLANT, MACHINERY AND SHUTTERING**

The contractor is required to submit details of plants and machineries to be deployed by him in a proformas indicating all details such as make, year of manufacture, registration etc be submitted. The details are to be provided with in 30days after award of contract.

51. **SUB-CONTRACTORS**

All specialised works will be carried out by licensed (where applicable) sub contractors approved by NRDA.

i. It may be noted that the contractors will have to submit credential of the selected contractors to NRDA for approval.

ii. It may further be noted that even if the contractor has in house licensed subcontractors for these works, they will have to select and engage contractors with prior approval of NRDA.

iii. All specialists, merchants, tradesmen and other agency executing any work or supplying and fixing any goods which items have been included in the Schedule of Quantities and/or Specifications or for Extra/ Substituted items of works, who may be nominated or selected by the Engineer/ Contractor are hereby declared to be Sub-contractors employed by the Contractors. No nominated Sub-contractor shall be employed on or in connection with the works against whom the contractor shall make reasonable objection or (save where the Engineer and contractor shall otherwise agree) who will not enter into a contract provided:

1. That the nominated sub-contractor shall indemnify the Contractor against the same obligations in respect of the sub-contractor as the contractor is under in respect of this contract.

2. That the nominated sub-contractor shall indemnify the Contractor against claims in respect of any negligence by the Sub-contractor, his servants or agents or any misuse by him or them or any scaffolding or other plant, the property of the Contractor or under any Workmen’s Compensation Act in force.

3. That the nominated sub-contractor shall submit his bills to the Contractor.

4. That the Contractor shall make payment to the nominated Sub-Contractor within 3 (three) days of the Contractor’s receipt of the payment from NRDA against the Engineer certificates of payment providing that before any Certificate is issued, the Contractor shall upon request, furnish to the Engineer proof that the nominated sub-contractor’s accounts included in previous certificates have been duly discharged in default whereof NRDA may pay the nominated Sub-contractors upon a certificate of the Engineer and deduct the amount thereof from any sums due to the Contractor. The exercise of this power shall not create privity of contract as between NRDA and Sub-Contractors.

5. The Engineer in his absolute discretion may recommend payment to the nominated Sub-Contractor directly by NRDA and deduct the amount thereof from any sums due or which may become due to the Contractor or recover the same amounts
from the Contractor.

6. No Labour contracts shall be permitted.
7. Prior approval of the Sub-contractor by the NRDA is mandatory.
8. Required 2 No. of contractors as choice would be of NRDA
9. Further sub-contracting/ sub-letting of the work shall not be permitted.
10. NRDA shall not permit under any circumstances Assigning, Transferring or Subletting of entire work or substantial part of work to be executed under this contract. If the Contractor attempts or assigns, transfers and sublets the entire or substantial work, the contract shall be terminated by the NRDA without prejudice to any right or remedy which shall have accrued or shall accrue thereafter to the NRDA.
11. The Contractor shall not be permitted to give power of attorney for executing the work to any other agency or person on their behalf. The power of attorney for executing the work shall only be given to regular employee of the agency with prior approval of NRDA.

iv. **Works to be Sub-Contracted & Prequalification criteria:-**

The details of work to be subcontracted and PQ criteria shall be governed as mentioned in detailed NIT

v. **ESSENTIAL CONDITIONS FOR ELECTRICAL WORKS:**

1. The Sub-contractor for carrying out the electrical works under the contract should strictly be in accordance with the above criteria.
2. All above referred works will have to be carried out under the supervision of Engineer.
3. Power supply distribution scheme given in tender document is only for guideline purpose. However, successful agency will be responsible for obtaining necessary sanctions to over all power supply distribution scheme, from CSEB/ applicable local authority and Engineer before starting execution of work. No extra charges will be paid for obtaining necessary approvals/ sanctions to power supply distribution scheme sanctioned by concerned power supply authority CSEB/ applicable local authority, successful agency will have to take up and complete the work accordingly.
4. Successful agency will have to obtain the required approvals to the total electrical works such as, HT/ LT distribution, Sub-station, Meter rooms, DG sets, etc from CSEB/ applicable local authority/ concerned power supply authority, Electrical Inspector, authority or any other statutory body at their own cost before starting execution of the work and the original sanctions obtained should be submitted to NRDA’s concerned Electrical Division before execution of the work. Any statutory cost for obtaining the approval will be reimbursed on production of original receipts.
5. It will be the responsibility of the agency to get the energy meters of the DG sets approved/ tested/ sealed from the necessary authorities.
6. The electrical works under the scheme should be carried out strictly in Co-ordination with the concern CSEB/ applicable local authority and necessary approvals should be obtained from time to time.
7. Activity Bar Chart and the makes of material should be submitted for electrical works for necessary approvals from the competent authority from NRDA before execution of the work and work should be started only after the approvals.
8. It will be the agency’s responsibility to obtain the following listed documents from
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

CSEB/ applicable local authority. Electrical Inspector authority and other concerned Statutory Body towards completion of the work at their own cost, without which work will not be treated as completed.

a) Sanction papers for the total external electrification works along with BOQ of material, demand note for supervision charges, if any.

b) Charging permission of the installation.

c) Inspection report of the various equipments & material supplied under the electrification work certified by CSEB / applicable local authority and NRDA authorities.

d) Manufacturers test certificates and guarantee certificates in original for all the equipments and material supplied for execution of electrification work under the scheme.

e) As Built drawings as stated Volume I for substation, HT/LT network, meter room, etc. showing all the details and certified by CSEB, Electrical Inspector authority (along with soft copy).

f) As Built Drawings as stated Volume I for internal electrification work, area lighting work, water pumps, etc. (along with soft copy)

g) Earth test report for the total installation.

h) Work completion report from CSEB/ applicable local authority for the total electrification work including substation, HT/LT distribution, Meter Room etc. should be submitted.

i) Handing over of the total electrification work under the scheme, such as substations, including equipments, HT/LT distribution, meter room with energy meters to CSEB/ applicable local authority. The letter in writing for taking over of the installation as above addressed to Engineer should be obtained from CSEB and should be submitted along with details of scheme.

j) Separate guarantee, from the electrical agency should be submitted to NRDA against the electrical works carried out under the scheme, for a period of 18 (eighteen) months including defects liability period in order to avoid any inconvenience in connection with releasing and common services under the scheme and also to attend any defects in installation during this period.

k) Required electrician/ Helpers are to be deployed round the clock for Operation & Comprehensive Maintenance of total Utility works & installations for a period of 18 (Eighteen) months from the date of completion OR taking over of the installation whichever is later.

9. All material & equipments to be supplied under this contract shall be offered for inspection at the manufacturing place. No material shall be supplied by the agency without the clearance from the Engineer.

10. The total electrification work under the scheme will have to be carried out as per the terms & conditions mentioned in various sections of the Tender Document.

11. Electrical works under the contract will not be treated as completed unless and until above listed activities are completed by successful agency.

52. Subject work is strictly to be completed within stipulated work completion Period and in accordance with the activities listed below completely as per the directives from Engineer. The

Signature of Contractor…………………… Signature of NRDA……………………………
charges and the expenses for completing the following listed activities should be included in the quoted offer and no separate payments against this will be made.

1. Successful agency will have to obtain and submit the Contractor All Risk Insurance Policy (CAR) in original within 1 (one) week from date of work order from Director of Insurance, Government Insurance Fund, Raipur, Chhattisgarh. The Contractors All Risk (CAR) Policy as said above shall be inclusive of insurance coverage under workman’s compensation insurance policy for all workmen employed by contractor to complete the works covered under present contract. Further the contractors All Risk Policy period completely as stated in the tender. In case of time period extension (If any), it is essential that, premium of CAR policies should be timely paid by agency in order to ensure the continuity of CAR policy without any break in the same, suitable action will be taken against defaulters as per General Conditions of Contract unless and until the Contractors All Risk Policy as stated in above manner is submitted to the office of Engineer no payments will be released against any work executed.

2. Obtaining necessary scheme sanctions in detail towards execution and completion of subject work in all respect, from concerned CSEB/ applicable local authority. This activity includes required co-ordination and follow-up with concerned CSEB/ applicable local authority for obtaining necessary scheme sanctions. The scheme sanction should be inclusive of specifications and required layout and other drawings etc. completely as per the requirement.

The payment towards the supervision charges of CSEB/ applicable local authority shall be paid directly to CSEB/ applicable local authority on behalf and in the name of NRDA by the agency.

The original scheme sanctions along with original certified drawings, specification details, quotations, payment receipt against supervision charges etc. should be submitted to the Engineer.

The supervision charges paid in the name of NRDA as mentioned above shall be reimbursed on submission of original payment receipts.

3. If required, preparation and submission of execution drawing in co ordination with concerned planning authority of NRDA by engaging Govt. approved Surveyor for confirmation and marking of proposed cable routes, location of control pillar, existing services along the proposed route under the present contract as per the sanctioned scheme obtained from CSEB Reports and marked computerized plans duly certified by surveyor in 3 sets of should be submitted after carrying out the details survey as mentioned above.

4. Obtaining necessary road/ soil/ footpath etc. cutting permission for cable trenching from concern authorities like NRDA/ CSEB/applicable local authority/ RMNN/ PWD etc. as applicable along the approved route and submit the approval in original along with the drawings and permission to Engineer.

The charges required for obtaining the approvals and permission as mentioned above should be directly paid on behalf and in the name of NRDA by the agency.

The charges paid in the name of NRDA as mentioned above shall be reimbursed on submission of original payment receipt to the Engineer.

5. Preparation and submission of shop/ execution drawing to Engineer for approvals. Submitting list of Makes of various items and material to be used under present
contract for approvals.

6. The Contractor or his qualified engineer having updated technical knowledge for execution of the subject work should invariably remain present and co-ordinate during every inspection and testing programme at manufacturers works, similarly during every joint site visits and when required.

7. After supply of material at site, all the documents such as delivery challan, excise gate pass, material test report (in original), etc. should be submitted to Engineer for obtaining installation clearance.*

8. The complete work under the present contract shall be carried out with required supervision, stage-wise inspection from concerned authority of CSEB/ applicable local authority & Electrical Inspector authority in co-ordination with Engineer complete with required power shutdowns. The record of all inspection and shutdowns shall be submitted to Engineer.

9. The execution work of cable trenching/ foundation for poles/ foundation of feeder pillar/excavation and trenching in all types of surfaces rocks, soils etc. shall be carried out as per approved route plan by using appropriate tools and machines in close co-ordination with concerned authorities from NRDA, CSEB/ applicable local authority, etc. completely as per the requirement so as to avoid the damages to the existing services.

10. Obtaining clearance certificate from concern authority of NRDA, RNN, PWD, CSEB/ applicable local authority, etc. As applicable, towards completion of re-surfacing work of cable trenches, excavated surfaces and removal of debris and submission of this clearance certificate in this regard obtained from concerned authorities to Engineer.

11. In absence of activity No. 1 & 15 above, the payment towards cable trenches erection and installation will not be released.

12. Arranging and carrying out pre & post testing and commissioning of the completed installation in presence of Engineer, his representative and the representative of any other statutory authorities like CSEB/ applicable local authority & Electrical Inspector etc. as required.

13. Excess saving statement as per final execution of work, item wise measurement break up in detail and escalation claim as applicable along with detail calculations and copies of confirmed indices etc. to be submitted to Engineer.

It is mandatory to complete all the activities listed above from Sr. No. 1 to 11 for releasing the final payment.

53. Following conditions are the essential conditions of contract for carrying out and completing the subject work in all respect within stipulated time period. The successful agency will be responsible for completing the same as per the directives of Engineer. The charges and expenditure if any required for completing the same should be including in the quoted offer, and no separate payments against this will be made.

1. The contractor shall visit the site to access the actual quantum of work and period required for completing the same before quoting the offer.

2. Scheme specifications and quantity of the material to be used for the subject work under the contract and specified in the tender document is only for guideline purpose. However it will be the responsibility of the successful agency to obtain the measurements and specifications in detail of each and every item before starting the execution of work.
and complete the work in accordance with the approvals, clearances obtained for the same. All cost required for completion of work as per statutory approval, shall deemed to have included in the offer quoted.

3. The foundation and excavation for feeder pillar and control pillar, grouting of frames in wall/ ground etc, are require to be carried out by the agency, and cost for the same shall be include in the offer quoted.

4. It will be Agency’s responsibility to obtain necessary sanctions and permissions by paying necessary charges towards;
   a) Obtaining necessary scheme sanctions and permissions for completing the subject work in all respect from any concerned statutory authority.

5. The successful agency will be completely responsible for accidents occurred if any during the execution of work as well as during 24 (twenty four) months defect liability period under this contract. It will also be the responsibility of agency, for making police complaints against any thefts and accidents etc. under intimation to NRDA.

6. Charges against following listed activates should be included in the quoted offer itself and no separate payments will be made against same.
   a) Arranging and carrying out the material inspecting at respective manufactures unit as stated in Annexure - I.
   b) Arrangements for performing site visits and other connected activities as and when required by Engineer or his representative.
   c) Carrying out necessary co-ordination and follow up with concern authorities for obtaining necessary sanctions and permissions as required towards completion of work in all respects.
   d) Appointing Govt. Approved surveyor for carrying out site survey and preparation of computerized shop drawing, Execution drawing, As built drawing etc. with soft copy.
   e) Any other incidental charges required towards completion of work in all respect.

7. Bills submitted against the executed and completed works at site, will be processed further by Engineer, after necessary scrutiny and verification.

54. The services/ tasks/ works as referred to under clauses shall be suitably applicable to all Utility services executed by the contractor, whether specifically mentioned herein above or no.

55. **Safety, Security and Protection of the Environment**

The Contractor shall, throughout the execution and completion of the Works and the remediating of any defects therein:

(a) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons,

(b) provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority, for the protection of the Works or for the safety and convenience of the public or others, and
(c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

56. HANDING OVER PROCESS:-
The handing over process shall be based on a performance comprising individual activities. The process shall be approved by the Engineer.

57. EROSION AND SEDIMENTATION CONTROL
Deleated

58. NOISE AND VIBRATION CONTROL

Noise and Existing Building Structure Vibration Generated by Construction Procedures, Equipment, Tools, and Operations: Keep to minimum practicable during demolition and removal from building and site, including loading and removing storage containers. Equipment generated noise levels shall not exceed the following in decibels:-

1. Concrete mixer: 85
2. Concrete pump: 82
3. Crane: 83
4. Materials elevator: 85
5. Pumps: 76
6. Generators: 78
7. Compressors: 81
8. Pneumatic tools: 86
9. Saws: 78
10. Vibrators: 76
11. Other tools: 85

i. Operation of Air Hammers, Compressors, and Reciprocating Equipment: Not permitted inside existing buildings unless specifically approved in writing by Owner.

ii. Laws: Comply with applicable noise control laws, ordinances, and regulations.

iii. Acoustical Enclosures: Stationary equipment may be enclosed to produce required sound attenuation subject to continued maintenance of such enclosures to ensure that specified sound levels are not exceeded.

iv. Violations: Where field sound measurements reveal sound levels exceeding those specified, cease operating such equipment and repair or replace it with equipment that complies with the sound levels specified.

v. Cutting and Drilling Concrete: Use only rotary or core drilling for holes through concrete. Do not use impact tools to cut or otherwise remove concrete or to install inserts.

vi. Power-Activated Tools: Not permitted in or immediately adjacent to existing buildings, except with Owner's written approval in each specific case, except where such use is specifically specified.

59. EXISTING CONDITIONS

i. Contractors Examination of Site:-
1. By executing Contracts, Contractor and subcontractors represent that they have:
   a. Visited the site and made due allowances for difficulties and contingencies;
   b. Compared Contract documents with existing conditions and informed themselves of conditions to be encountered, including work by others, if any, being performed; and
   c. Notified Architect of ambiguities, inconsistencies, and errors they have discovered within Contract documents or between Contract documents and existing conditions.

2. Failure to visit the site and become familiar with conditions shall not relieve Contractor or a subcontractor from furnishing materials or equipment or completing the Work in accordance with Contract documents at no additional cost.

3. Contractor or subcontractors will not be given extra payment for Work related to conditions they can determine by examining the site and Contract Documents.

4. Contractor or subcontractors will not be given extra payment for work related to ambiguities, inconsistencies, or errors within Contract documents, or between Contract documents and existing conditions, when such ambiguities, inconsistencies, or errors are known to Contractor or subcontractor before Contract execution unless Contractor or subcontractor has notified Architect in writing of such condition before execution of Agreement Between Owner and Contractor.

ii. Make use of public property and make arrangements for that use. No extra compensation will be paid due to costs associated with using public property.

iii. Access by Contractor to portions of Owner's property beyond the actual area of Work under this contract is denied, except where necessary to perform the Work, and then only with specific written approval in each case. Refer to other sections for additional requirements.

iv. Contractor shall accept the site in the condition in which they exist at the time Contractor is given access to begin the Work.

v. Damage caused by Contractor to existing structures, grounds plants, pavements, utilities, work by others, fixtures, or furnishings, shall be repaired by Contractor and left in as good condition as existed before the damaging, unless such existing work is shown to be removed or replaced by new Work.

vi. Immediately upon entering the site for purposes of beginning Work, locate general reference points and take such action as is necessary to prevent their destruction; lay out Work and be responsible for lines, elevations, and measurements, and Work executed under this Contract. Exercise proper precautions to verify figures shown on Drawings before laying out Work. See Section "Field Engineering" for additional requirements.

vii. Contractor and each subcontractor, before starting work, shall verify governing dimensions at the premises, including floor elevations, floor-to-floor heights, and column locations and shall examine adjoining Work on which Contractor's or subcontractor's Work is in any way dependent. No "Extra" or additional
compensation will be allowed on account of differences between actual measurements and dimensions shown. Submit differences discovered during the Work to Architect for interpretation before proceeding with associated Work.

viii. Employment of local labour shall be given priority wherever possible. However, ix. This shall not in any way affect/dilute the Contractors obligations listed within the Tender document.

**LAMINATION OF DRAWINGS**

All drawings issued to site shall be kept in lamination condition.

1. **Maintainance of installed equipments, machineries and fixtures:**

The Contractor, at the time of bidding, will be responsible to ensure the completeness and adequacy of his Bid Price to fulfill the entire responsibilities for Maintaining the installation of all installed equipments, machineries and fixtures minimum for a period of 1 year from the date of commissioning and imparting training to the workers/staff as asked for maintaining the installations as per IS requirement and exercising.

2. **Handing Over:**

At the time of handing over after completion of work, all the equipment, spare including standby equipment etc. must be in good working order as were taken over before commencement of defect liability period.

3. **Penalties for failure to achieve the functional guarantees during Defect liability Period:**

In case of failure to deliver the required quality of work, liquidated damages shall be imposed for such failure to meet the performance criteria, as described below. The Employer will be entitled to recover any such damages from the security deposits of the contractor or any other sum due to him. However, the contractor shall be allowed to take up routine/periodical maintenance as per IS guidelines, with prior permission of the Authority.

60. **ORDER OF PRECEDENCE**

In case of any conflict in interpretation, the following order of precedence shall prevail:

(a) For any conflict between the condition of the Contract, the order of precedence shall be as underi)

i) Corrigendum/addendum/amendment shall prevail over all the conditions.

ii) Additional Special Conditions shall prevail over iii) and iv) below.

iii) Special Conditions shall prevail over General Conditions of Contract.

iv) General Conditions of the Contract shall prevail over other conditions.

(b) For contractual/legal matters, Contract Conditions (including Corrigendum/addendum/amendment, Additional Special Conditions, Special Conditions and General Conditions of the Contract) read alongwith Addenda/Corrigenda issued shall prevail over the Bills of Quantities & Technical Specification.

(c) Tender Drawings shall prevail over descriptive Bills of Quantities of Volume-III (Except for material descriptions in Architectural drawings where descriptive Bills of Quantities of Volume-III shall prevail over Tender Drawings).
(d) **For technical details & clarification, Tender Drawings shall be read in conjunction with the Bills of Quantities and Technical Specifications.**

(e) **For Drawings, written dimensions shall prevail over scaled dimensions.**

(f) **In the event of any discrepancy between the Architectural, Structural, Utility Service or any other drawings, it shall be the Contractor’s sole responsibility & obligation to point these out & ensure that they are executed only after complete resolution by the Architect/ Consultant. Any reworking/breaking, if required, on account of such oversight shall to be done at the Contractors own cost.**

(g) **For items of work with similar specifications but appearing in different parts of the Bills of Quantities & where the Contractor has quoted varying rates, the item with lower rate shall be operated.**

### 61. **PAYMENT**

I. The Contractor, at the time of bidding, will be responsible to ensure the completeness and adequacy of his Bid Price to fulfill the entire responsibilities as described above.

II. Payment of 65% of Value of the item shall be made against successful supply of materials at site including testing and approved by EIC.

III. Payment of 20% of Value of the item shall be made against successful erection, installation and testing of erected materials on site approved by EIC.

IV. **Balance 15% payment of the value of item shall be released, after successful completion of the work.**

V. On satisfactory installation of part supply of materials, up to 10% of balance 15% payment could be released, if the total completion is getting delayed for the reasons beyond the control of contractor. Decision of CE NRDA in the matter shall be final and binding to the contractor.

VI. **Balance 5% shall only be released on recording of completion certificate.**

VII. On completion of work i.e. after **Defect liability Period**, the contractor shall handover all the items in good working condition to NRDA

### 62. **RECOVERY OF SECURED ADVANCE**

The material on which secured advance is given, shall be either incorporated or used in the work within 120 days. Otherwise the advance so given shall be recovered in next running bill after 120 days.
SCHEDULE– D
Section-V
List of approved makes
For the items missing in the list, the relevant IS Code and specification should be binding on the contractor. The contractor should take approval wrt the approved vendor list prior to any procurement from the Engineer in charge (EIC).

LIST OF APPROVED MAKE/MANUFACTURER OF MATERIALS

11. Prelaminate particle board (wood based only) should be of exterior grade as per IS 12823:1990 (IS 3087:2005)
   A. Action
   B. Associate
   C. Archid Ply
   D. Merino
   E. Century

2. Prelaminated medium density fibre (MDF) board (wood based only) should be of exterior grade as per IS 12406: 2003 (IS 14587: 2008)
   A. GreeNlam
   B. Green Ply
   C. Archid Ply
   D. Merino
   E. Asis
   F. Action

3. Laminates for Post forming
   A. Greenlam
   B. Merino
   C. Century

4. Aluminium
   A. Hindalco
   B. Nalco
   C. Jindal

5. CRCA / Steel
   A. Tata Steel
   B. Bhushan Steel
   C. Uttam Galva
   D. Jindal
   E. SAIL

6. Hardware
   A. Ebco
   B. Hettich
   C. Haffele
   D. Dorma

7. Fabric
   A. Response
   B. Ashadeep
   C. Noble
Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur (2nd Call)

SCHEDULE– D
Section – VI
Drawings
LIST OF DRAWINGS

1. Floor plans of furniture Layout
SCHEDULE- E

Reference to General Conditions of contract.

Signature of Contractor……………………………..

Signature of NRDA……………………………………
# SCHEDULE-E

## Reference to General Conditions of contract

**Name of Work:** “Providing and installation of Furniture’s for Paryavas Bhawan at Sector 19 of Naya Raipur”.

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated cost of work</td>
<td>Rs. 2.78 Crore</td>
</tr>
<tr>
<td>(i) Earnest Money</td>
<td>Rs. 2.80 lacs</td>
</tr>
<tr>
<td>(ii) Performance Guarantee</td>
<td>5% of tendered value</td>
</tr>
<tr>
<td>(iii) Security Deposit</td>
<td>5% of tendered value</td>
</tr>
</tbody>
</table>
SCHEDULE– F

General Rules & Directions
SCHEDULE-F

GENERAL RULES & DIRECTIONS: Officer inviting tender

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3: See below

Definitions:
2(v) Engineer-in-Charge Executive Engineer (EE C-III), NRDA or Any Officer Appointed by CEO, NRDA
2(viii) Accepting Authority Chief Executive Officer, NRDA
2(x) Percentage on cost of materials and Labour to cover all overheads and profits: 15 %
2(xi) Standard Schedule of Rates Market Rate
2(xii) Department Naya Raipur Development Authority

Clause 1
(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance 7 days
(ii) Maximum allowable extension beyond the period provided in (i) above 7 days

Clause 2
Authority for fixing compensation CEO, NRDA
under clause 2

Clause 2A
Whether Clause 2A shall be applicable No

Clause 5
Number of days from the date of issue of letter of acceptance for reckoning date of start 15 days

Signature of Contractor………………………… Signature of NRDA…………………………
Milestone will be governed as per work schedule submitted by the tenderer on award of work and approved by NRDA

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Milestone (Physical)</th>
<th>Time allowed in days (from date of start)</th>
<th>Amount to be with-held in case of non achievement of milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>2.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>3.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>5.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Time allowed for execution of work: 02 months including Rainy Season

Authority to decide:

(i) Extension of time CEO, NRDA (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

(ii) Rescheduling of milestones Chief Engineer (Engineering)

Clause 6, 6A

Clause applicable - (6 or 6A) 6A

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment Rs 104.25 Lakhs

Clause 10A

Not Applicable

Clause 10B(ii)

Whether Clause 10B (ii) shall be applicable Applicable subjected to Clause as per Special conditions of contract

Clause 10C
Component of labour expressed as percent of value of work

**Not Applicable**

Clause 10CA

**Not Applicable**

Clause 11

Specifications to be followed for execution of work

**Tender specification attached with Tender document, CPWD and relevant IS Specifications.**

Clause 12

12.2 & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building and allied infrastructure work

25%

12.5 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work

25%

Clause 16

Competent Authority for deciding reduced rates. **Chief Engineer (Engineering), NRDA**

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:

*As per relevant Clause of Special Conditions of Contract*

Clause 36 (i): Minimum Technical Representative(s) and recovery Rate

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Designation (Principal Technical/Technical Representative)</th>
<th>Number</th>
<th>Educational and Relevant Experience</th>
<th>Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Architect</td>
<td>01</td>
<td>Graduate in Architect. With Experience of at least 6 years With 3 years of experience in similar projects.</td>
<td>1500/day/head</td>
</tr>
<tr>
<td>1</td>
<td>Site Engineer</td>
<td>01</td>
<td>Graduate in Civil Engg. With Experience of at least 5 years/ Dip. In Civil Engg. With 8 years of experience in site supervision of construction projects.</td>
<td>1000/day/head</td>
</tr>
</tbody>
</table>

Clause 42

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of C.G.S.O.R

**Not Applicable**

Signature of Contractor..................................................  
Signature of NRDA...........................................................
(ii) Variations permissible on theoretical quantities:

(a) Cement
   For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.
   For works with estimated cost put to tender more than Rs. 5 lakh. 2% plus/minus.

(b) Bitumen All Works 2.5% plus & only & nil on minus side.

(c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus

(d) All other materials. Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Item</th>
<th>Rates in figures and words at which recovery shall be made from the Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Cement</td>
<td>Excess beyond permissible variation: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond permissible variation: NA</td>
</tr>
<tr>
<td>2.</td>
<td>Steel Reinforcement</td>
<td>Excess beyond permissible variation: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond permissible variation: NA</td>
</tr>
<tr>
<td>3.</td>
<td>Structural Sections</td>
<td>Excess beyond permissible variation: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond permissible variation: NA</td>
</tr>
<tr>
<td>4.</td>
<td>Bitumen issued free</td>
<td>Excess beyond permissible variation: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond permissible variation: NA</td>
</tr>
<tr>
<td>5.</td>
<td>Bitumen issued at stipulated fixed price</td>
<td>Excess beyond permissible variation: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond permissible variation: NA</td>
</tr>
</tbody>
</table>