Sealed tenders on plain paper are hereby invited by the Divisional Manager, Northern Division Manager, TFDPC Ltd on behalf of the Tripura Forest Development & Plantation Corporation Limited (TFDPC Ltd) for construction of the Rubber Wood Treatment Main Factory Construction and other ancillary Construction works (details are given below) at Ratacherra, Northern Division, TFDPC Ltd. The tenders shall be received in the office of the Divisional Manager, TFDPC Ltd, Northern Division, Kumarghat, Unakuti Tripura or in the office of the Managing Director, TFDPC Ltd. Abhoynagar, Agartala up to 03:00 PM on the 25th July, 2019 and will be opened on the next day at 03.00 PM at the TFDPC HQ, TFDPC Ltd, Abhoynagar, Agartala, Pin 799005, if possible, in presence of tenderer(s) who may wish to remain present. Detailed Tender Notice is also available at the TFDPC website (http://tfdpc.tripura.gov.in).

Details of the works

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the work</th>
<th>Estimated cost (In Rs.)</th>
<th>Earnest Money (In Rs.)</th>
<th>Time of completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Construction of Main Shed with RCC-column, Tubular post and trusses and GI sheet roofing at Rubber wood &amp; Bamboo Treatment Plan, Ratacherra, Kumarghat</td>
<td>44,39,940.00</td>
<td>2.26 Lakh</td>
<td>Within 4 (four) months from the date of Agreement</td>
</tr>
</tbody>
</table>

TERMS AND CONDITIONS

1. Details of the estimate and Specification of the works and detail tender notice may be seen in the office of the undersigned during the office hours on any working day and also will be available at TFDPC website (http://tfdpc.tripura.gov.in) from 27-06-2019.

2. Tenderer is to submit duly signed estimate and duly signed tender notice, Tender form and percentage rate, tender for work etc which are available at http://tfdpc.tripura.gov.in along with their bid without which no tender will be treated as valid.

3. Up-to-date Income Tax as well as Professional Tax clearance certificates, copy of I.T. Return/PAN Card, GSTIN and copy of the enlistment (Class IV (B) ) have to be submitted along with tender without which no tender will be considered valid.

4. Earnest Money should be deposited by way of Demand Draft / Bankers Cheque or Pay Order Cheque drawn in favour of "Divisional Manager, TFDPC Northern Division " Payable at
Kumarghat on any Nationalized Bank. Sealed tender not accompanied with the Earnest Money shall be rejected forthwith.

5. Tenders received after due date and time i.e. after 03:00 PM of the 25th July, 2019 shall not be accepted. If the Office remains closed on the tender date due to unavoidable circumstances of unforeseen reason, tenders will be received next working day without making any reference or issuance of Notice and all other aforesaid terms and conditions shall be unchanged.

6. Sealed tenders sent by the Registered Post will also be accepted provided such tender is delivered only in the office of the undersigned and Office of the Managing Director on or before 03:00 PM of the 25th July, 2019. The Corporation shall not be responsible for any delay in dispatch & delivery of such tenders through Registered Post or otherwise. The Envelope containing the tender shall be super-scribed as “TENDER FOR CONSTRUCTION OF RUBBER WOOD TREATMENT MAIN FACTORY CONSTRUCTION” and the specified date for opening of the sealed tender.

7. The successful tenderer is to pay 5% security money on acceptance of tender. The EMD of successful bidder may be considered as the Security Deposit. The EMD of the unsuccessful bidder may be returned on finalization of tender.

8. The successful tenderer will have to execute an agreement on non judicial stamp worth Rs. 10/- after deposit of security money for satisfactory and successful completion of the works as per specification within 5 (Five) days of acceptance of the tender and work order will be issued thereafter.

9. If the successful tenderer fails to undertake the work within 7 (Seven) days from the date of issue of work order and also to complete the work as per the Specification of the estimate, the security money deposited by the tenderer shall be forfeited to the Corporation.

10. In case of delay beyond time of completion, a penalty of Rs. 20,000/- per day will be charged from the bill of the contractor.

11. The contractor will be responsible for any damage of materials, if supplied departmentally, for delay of negligence of contractor in execution of the work in time.

12. The rates quoted by the tenderer must be in figures and words. Erasing / overwriting of the rate will not be considered.

13. The Contractor will offer the quality & quantity of material like cement, sand, bricks, steel trusses. GCI sheet. MS Rods for inspection to Divisional Manager or his representative. The mixing of cement concrete etc. will be supervised by TFDPC Ltd as per estimate during the construction process. Testing of material during the construction will also be done to satisfy with quality. Any deviation in quality will not be acceptable and liable for dismantling at the Cost of the Contractor. The Contractor therefore should quote taking all aspects into consideration.

14. After completion of work, bill shall be submitted in favour of the “Divisional Manager” TFDPC, Northern Division, Kumarghat. Payment will be made after deduction of the taxes, Labour Cess, etc. as applicable as per payment schedule:-

a.) Payment after completion upto Plinth — 10% of estimated cost or measurement whichever is less.
b.) Payment after completion of RCC works - 25% of estimated cost or measurement whichever is less.

c.) Payment after fixing trusses and roofing etc. - 55% of estimated cost or measurement whichever is less.

d.) Remaining balance and final payment will be made after four months from the date of the completion of the work.

15. The Undersigned reserves the right to accept or reject any tender including the lowest one without assigning any reason.

16. All disputes resulting from this tender notice and actions thereon shall be sealed under the Jurisdiction of Kailashahar Court(s).

No. F. 2-21/Ind/Head/17/59-67. Dated, the 25th June, 2019.

Copy to:-

1. The Managing Director, TFDPC Ltd, Agartala for kind information please.
2. The Divisional Manager, Forest Corporation Division, South-I / South-II / Sadar / Factory Division, Takmacherra for favour of information.
3. The General Manager, TFDPC I/E, Anandanagar for information.
4. Junior Engineer, TFDPC HQ
5. Notice Board of this office.
6. Incharge, IT section of the TFDPC HQ — for uploading the tender document at the TFDPC, website.
## TENDER FORM

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Work</td>
<td>Construction of the Main Factory Shed at Rubber Wood &amp; Bamboo Treatment Plant at Ratcherra, Unakoti District.</td>
</tr>
<tr>
<td>Total Estimated cost</td>
<td>Rs. 44,39,940.00 (Rupees forty four lakh thirty nine thousand nine hundred &amp; forty) only.</td>
</tr>
<tr>
<td>EMD</td>
<td>Rs. 2.26 lakh (Rupees two lakh &amp; twenty six thousand) only should be deposited by way of Demand Draft/Bankers Cheque in Favour of &quot;Divisional Manager, TFDPC Ltd, Northern Division&quot; payable at Kumarghat on any Nationalized Bank.</td>
</tr>
<tr>
<td>Duration of Work</td>
<td>04 (Four) months from date of Agreement.</td>
</tr>
<tr>
<td>DNIIT No</td>
<td>NO.F. 2-21/Indust/NP-15/759-674/25/06</td>
</tr>
<tr>
<td>Availability of tender documents</td>
<td>Tender form is to be downloaded from the TFDPC website.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://tfdpc.tripura.gov.in">http://tfdpc.tripura.gov.in</a></td>
<td></td>
</tr>
</tbody>
</table>

This is to certify that this tender form contains (______________) written pages including this page.

Divisional Manager
Northern Division, TFDPC Ltd.
Kumarghat, Unakoti Tripura
PERCENTAGE RATE, TENDER FOR WORK

I/We hereby tender for execution of work of the Tripura Forest Development & Plantation Corporation Ltd (TFDPC Ltd) of the work specified in the under written tender notice within time specified on such memorandum at an amount of Rs. ________________ (Rupees ________________) the ________________ percent below/above rates entered in the estimate attached and in accordance in all respects with specifications, designs, drawings and instructions in writing of contract and in such matters as are provided for and in all other respects in accordance with such conditions so far as applicable. I/We hereby agree to the percentage mentioned above being deducted from/ added to the gross amount of the bill for work done.

DECLARATION OF THE CONTRACTOR

I/We hereby declare that I/We have personally gone through the detailed tender notice for the work containing general direction and conditions of TFDPC Ltd and also the clauses attached to detailed tender notice and I/We do hereby agree to abide by the rules and regulations and conditions there in including upto date modifications made by the TFDPC Ltd.

Contractor

Divisional Manager
NAME OF WORK: CONSTRUCTION OF RUBBER WOOD TREATMENT MAIN FACTORY CONSTRUCTION WITH RCC COLUMN , TUBULAR POST AND TRUSSES AND GI SHEET ROOFING AT RATHACHERA, KUMARGHAT

RATE AS PER TSR 2017

1. Earth work in excavation in foundation trenches or drain (not exceeding 1.5m or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m including getting out excavated soil and disposal of surplus excavated

1) By manual means (Factory main building)

ESTIMATE PREPARED AS PER PLAN OF RATHACHERA

RUBBER WOOD PROCESSING FACTORY

L=30.00m B=15.00m H=5.00m , RCC Column - (2x6nos+2x2nos)=16 nos

Furniture godown C/L=2x(30.00m+15.00m) =30.00 m

Foundation trenches factory main building =90.00m x 0.60m x 0.75m = 40,500 cum

Middle portion (30.00m+15.00m) =45.00mx0.60m x 0.75m = 20,250

Step = 3 side x 3.00m x 0.80m x 0.15m = 1,080

RCC Column of factory main building =16 nos x 2.35mx2.35mx1.35m =119.286

2. Supply ing and filling in plinth, under floor, foundation etc. with sand (fine) from local quarry with all lifts including spreading in horizontal layers, watering, grading to required slope, ramming consolidating and compacting each layer by using plate compactor or by any suitable method complete.

Foundation trenches factory main building =90.00m x 0.60m x 0.075m = 4,050 cum

Middle portion (1x30.00m+1x15.00m) =45.00mx0.60m x 0.075m = 2,025

Floor = 1x29.75m x 14.75mx0.15m = 65,821

Step = 3 side x 3.00m x 0.80m x 0.05m = 0.540

RCC Column of factory main building =16 nos x 2.35mx2.35mx0.075m = 6.627

3. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layer not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50m and lift upto 1.5m.

Trenches side filling =same item no. = 171.180 cum

2. 2. Providing and laying in foundation and plinth position cement concrete of specified grade excluding the cost of centering and shuttering

h) 1:5:10 (1cement : 5 fine sand : 10 graded well burnt brick aggregate 40 mm nominal size)

Foundation trenches factory main building =90.00m x 0.60m x 0.10m = 4,050 cum

Middle portion (1x30.00m+1x15.00m) =45.00mx0.60m x 0.10m = 2,025

Floor = 1x29.75m x 14.75mx0.10m = 43,881

Step = 3 side x 3.00m x 0.80m x 0.05m = 0.360

RCC Column of factory main building =16 nos x 2.35mx2.35mx0.075m = 6.627

5. First class brick work in foundation and plinth including cost of all materials as required

n) In cement mortar 1:6 (1cement : 6 fine sand)

(Floor level should increase up to 0.30m over old floor level)

Foundation wall lst footing =1 x90.00m x 0.25m x 0.15m = 6.885 cum

" 2nd footing =1x90.00m x 0.35m x 0.15m = 5.265

Step = 3 nos x 0.05mx0.50mx(0.45m+.015m)/2 = 1.350

51.645 cum

10.496 cum

Rs 3,88,018.00

Rs 2,90,238.00
6. Reinforcement cement concrete work in beams, suspended floor, roof having slop upto 15 degree landing, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement.

h) RCC work in suspended floor, roof having slop upto 15 degree landing, balconies, shelves, chajjas.

g) i) 1:2:4 (cement :2 fine sand :4 graded well burnt brick aggregate 20 mm nominal size.

<table>
<thead>
<tr>
<th>Description</th>
<th>Formula</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC band of factory build</td>
<td>= 1no x 90.00m x 0.45m x 0.30m</td>
<td>12.150 cum</td>
</tr>
<tr>
<td>Middle portion</td>
<td>= 45.00mx0.45m x 0.30m</td>
<td>6.075</td>
</tr>
<tr>
<td>Lintel and top beam</td>
<td>= 2 nos x 90.00m x 0.40m x 0.30m</td>
<td>21.600</td>
</tr>
<tr>
<td>Column foundation</td>
<td>= 16 nos x 2.25 m x 2.25m x 0.25m</td>
<td>20.250</td>
</tr>
<tr>
<td>Columns foundation hance</td>
<td>= 16 nos x 2.25 m x 2.25 m x 0.35 m/3</td>
<td>9.450</td>
</tr>
<tr>
<td>Column up to top level</td>
<td>= 16 nos x (5.00m-2x0.30m) x 0.45mx0.45m = 14.256</td>
<td></td>
</tr>
<tr>
<td>Front chajja</td>
<td>= 2 nos x 3.60 m x 1.05m x 0.13m (aver.)</td>
<td>0.982</td>
</tr>
<tr>
<td></td>
<td></td>
<td>84.763 cum</td>
</tr>
</tbody>
</table>

7. Centering and shuttering strutting, propping etc. and removal of form work for:

   a) suspended floor, roof, landing, balconies and access plateform with timber planks.

<table>
<thead>
<tr>
<th>Description</th>
<th>Formula</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC band of</td>
<td>= 1no x 90.00m x 0.30m x 2 side</td>
<td>54.00 sqm</td>
</tr>
<tr>
<td>Middle portion</td>
<td>= 1no x 90.00m x 0.30m x 2 side</td>
<td>54.00</td>
</tr>
<tr>
<td>Lintel and top beam</td>
<td>= 2 nos x 90.00m x (0.30mx2+0.40)</td>
<td>27.00</td>
</tr>
<tr>
<td>Column foundation</td>
<td>= 16 nos x 2.25mx0.25mx4 side</td>
<td>180.00</td>
</tr>
<tr>
<td>Column sup.</td>
<td>= 16 nos x 4.50mx0.45mx4 side</td>
<td>36.00</td>
</tr>
<tr>
<td>Front chajja</td>
<td>= 2 side x 3.90m x 1.25m</td>
<td>9.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>433.47 cum</td>
</tr>
</tbody>
</table>

8. Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto floor five level.

   i) Mild steel and Medium / Tensil steel bars.

<table>
<thead>
<tr>
<th>Description</th>
<th>Formula</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC band of 20 mm dia bar</td>
<td>= 6 nos x 94.00m x 2.47kg/m x 1.58/l</td>
<td>13993.08 kg</td>
</tr>
<tr>
<td>RCC band ring 8 mm dia bar 12cmC/C = 690nosx1.45mx0.39kg/m</td>
<td>= 6 nos x 94.00m x 2.47kg/m x 1.58/l</td>
<td>669.54</td>
</tr>
<tr>
<td>RCC Middle portion</td>
<td>= 47.00mx0.39kg/m</td>
<td>212.06</td>
</tr>
<tr>
<td>RCC band ring 8 mm dia bar 12cmC/C = 375nosx1.45mx0.39kg/m</td>
<td>= 47.00mx0.39kg/m</td>
<td>278.86</td>
</tr>
<tr>
<td>Lintel and top beam 20 mm dia bar</td>
<td>= 2 nos x 90.006nosx2x2.47kg/m x 1.58/l</td>
<td>780.39</td>
</tr>
<tr>
<td>Column foundation 12 mm dia</td>
<td>= 16 nos x 560 nos x 0.39kg/m</td>
<td>1002.49</td>
</tr>
<tr>
<td>Column vertical up to top 20 mm dia</td>
<td>= 16 nos x 7.00m x 0.39kg/m</td>
<td>1217.21</td>
</tr>
<tr>
<td>Column vertical up to top 20 mm dia</td>
<td>= 16 nos x 7.00m x 0.39kg/m</td>
<td>1217.21</td>
</tr>
<tr>
<td>Column double ring 8 mm dia bar 12cmC/C</td>
<td>= 16 nos x 4.8 nos x 0.39kg/m x 1018.36</td>
<td>113.24 kg</td>
</tr>
<tr>
<td>Front chajja</td>
<td>= 2 nos x 3.60m x 1.10m x 0.13mx110kg/cum</td>
<td>8363.48 kg</td>
</tr>
</tbody>
</table>

Rs 20,15,803.00  Rs 2,430.00

Rs 1,72,868.00
9. 12mm cement plaster in single layer including cost of materials required and finishing even and smooth and curing complete.

f) In cement mortar 1:5 (1 cement; 5 fine sand)

<table>
<thead>
<tr>
<th>Item</th>
<th>Formula</th>
<th>Cost (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plinth wall</td>
<td>=2(30.25m+15.25m)x 0.60m</td>
<td>54.60</td>
</tr>
<tr>
<td>Lintel &amp; top beam</td>
<td>=2 side x(90.00m-16x0.30m) x 1.40m</td>
<td>278.56</td>
</tr>
<tr>
<td>Columns</td>
<td>=16 nos x4 side x0.45mx5.00m</td>
<td>144.00</td>
</tr>
<tr>
<td>Chajja</td>
<td>=2 nosx3.60mx2 side x1.20m</td>
<td>17.28</td>
</tr>
<tr>
<td>Step</td>
<td>=3 nosx3.00mx1.10m</td>
<td>9.90</td>
</tr>
</tbody>
</table>

@ Rs 142.90/sqm

Rs 66,354.00

10. Neat cement punning including cost of materials required

<table>
<thead>
<tr>
<th>Item</th>
<th>Formula</th>
<th>Cost (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plinth wall</td>
<td>=2(30.25m+15.25m)x 0.60m</td>
<td>54.60</td>
</tr>
<tr>
<td>Chajja</td>
<td>=2 nosx3.60mx2 side x1.20m</td>
<td>17.28</td>
</tr>
<tr>
<td>Step</td>
<td>=3 nosx3.00mx1.10m</td>
<td>9.90</td>
</tr>
</tbody>
</table>

@ Rs 44.30/sqm

Rs 3,623.00

11. Providing and fixing M.S. bolts above 300 mm in length with nuts and washer complete.

<table>
<thead>
<tr>
<th>Item</th>
<th>Formula</th>
<th>Cost (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixing tubular post</td>
<td>16 nos x4 nos x 1.20mx1.70kg/m</td>
<td>130.56</td>
</tr>
<tr>
<td>post plate</td>
<td>(16 mm dia bolt)</td>
<td>@ Rs 95.50/ kg</td>
</tr>
</tbody>
</table>

Rs 12,468.00

12. Providing and fixing steel work in build up tubular trusses including cutting, hosting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washeis etc. complete as required.

f) Hot finished welded type tube

<table>
<thead>
<tr>
<th>Item</th>
<th>Formula</th>
<th>Cost (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tubular trusses (90mm,80mm,65mm,50mm and 40mm) OD</td>
<td></td>
<td>15,670.96kg</td>
</tr>
</tbody>
</table>

Rs 16,79,927.00

13. Providing corrugated G.S. sheet roofing including vertical/ curved fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers including a coat of approved steel primer and two coats of approved paint.

g) 0.63mm thick with zinc coating not less than 275gm/sqm

<table>
<thead>
<tr>
<th>Item</th>
<th>Formula</th>
<th>Cost (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main shed roofing</td>
<td>=2 side x30.90m x 9.90m</td>
<td>611.82</td>
</tr>
<tr>
<td>Side of Grable wall</td>
<td>=2 side 15.00m/2x2.05mx</td>
<td>30.75</td>
</tr>
</tbody>
</table>

@ Rs 718.10/sqm

Rs 4,61,430.00

Rs 42,39,605.00

Rs 40,69,168.00

Contd P=4
14. Providing ridges or hips of width 60 cm over all width plain G.S. sheet fixed with polymer coated J or L hooks of approved paint complete.

b) 0.63mm thick with zinc coating not less than 275gm/sqm
Ridge = 1 nos x 30.90m = 30.90m

Rs 17,740.00

15. Providing and laying cement concrete 1:2:4 (1 cement:2 fine sand:4 graded well burnt brick aggregate 12mm size) flooring finishing with a floating coat of neat cement including cement slurry, rounding of edges and strips and cost of etc complete

a) 40mm thick
In sidefloor timber shed = 1 no x 30.00m x 15.00m = 450.00 sqm
@ Rs 422.60/sqm
Rs 1,90,170.00

16. Finishing wall with water proofing cement paint of required required shade of approved brand and manufacture on new work (two or more coats applied 3.84 kg/10 sqm) complete.
Lintel & top beam = 2 side x (90.00m - 160.30m) x 1.40m = 238.56 sqm
Columns = 16 nos x 4 side x 0.45m x 5.00m = 144.00 "
Chajja = 2 nos x 3.60mx2 side x 1.20m = 17.28 "

399.84 sqm

Lintel & top beam = 2 side x (90.00m - 260.30m) x 1.20m = 197.28 sqm
Columns = 26 nos x 4 side x 0.30m x 4.50m = 140.40 "
Chajja = 2 nos x 3.60mx2 side x 1.20m = 17.28 "

354.96 sqm

Rs 21,311.00

17. Painting on steel works with any synthetic enamel paint (two or more coats) of approved brand and manufacture of required colour to give an even shade on new work including a coat of appropriate steel primer but excluding a coat of mordant solution complete (including red oxide zinc Chromate primer).

Truss = 1.5 sq
= 175.00 sqm

@ Rs (69.90 + 12.32) / sqm
Rs 17,763.00

Rs 44,88,518.00
Rs 44,865.00
Rs 45,31,383.00
Rs 49,10,621.00
Rs 1,29,319.00
Rs 44,39,590.00

Add 3% labour cess

Prepared By S.N. Datta
Junior Engineer

(T.S NO:- 2A/SEC 01/EE/KD/2019-20

Technically approved for Rs 44,39,590.00 (Rupees forty four lakh ninety thousand nine hundred forty). Only.

Assistant Engineer
First Circle PWD (R & B) Unakoti, Triputa

Executive Engineer
First Circle PWD, Kumbanganj, Unakoti

Superintending Engineer
TACHERRA WOOD TREATMENT MAIN FACTORS

N OT TO SCALE

SECTION ON AB

BREATH WISE ELEVATION

LENGTH WISE ELEVATION

RCC COLUMN SIZE 0.45m x 0.45m / 6
THACHERRA WOOD TREATMENT MAIN FACTORY

SECTION ON AB

BREATH WISE ELEVATION

LENGTH WISE ELEVATION

PLAN

SECURITY

NOT TO SCALE

RCC BAND (0.30m x 0.25m)

TUBULAR TRUSS

TOP Lintel (0.20 x 0.20)

MIDDLE COLUMN H=500m

RCC COLUMN SIZE 0.45 x 0.45

DRAWN: [Signature]

[Date] 2019
DETAILS SECTION MAIN FACTORY

ALL MEASUREMENT ARE - MM

NOT TO SCALE

[T3 (100x300)]

5000

1900

2700

G.L.

P.L.

T1 (450x300)

2350

12:1

PL

G.L.

G.L.

350

250

1350

225.

SAND

2

3
# Details of Foundation

<table>
<thead>
<tr>
<th>Name</th>
<th>A x B</th>
<th>d₁</th>
<th>d₂</th>
<th>Reinforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Footing Marked (F)</td>
<td>2250 x 2250</td>
<td>250</td>
<td>350</td>
<td>12 @ 150 C/L</td>
</tr>
</tbody>
</table>

![Diagram of foundation with dimensions and reinforcement details.]
DETAILS OF COLUMN

<table>
<thead>
<tr>
<th>COLUMN MARKED</th>
<th>SECTION</th>
<th>STIRRUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td></td>
<td>8Ø @ 120°C</td>
</tr>
</tbody>
</table>

DETAILS OF TIE

<table>
<thead>
<tr>
<th>TIE MARKED</th>
<th>AT SUPPORT</th>
<th>AT MIDDLE SPAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 @ GROUND LEVEL</td>
<td>16 6x20Ø</td>
<td>8Ø STIRRUP 0.120°/C</td>
</tr>
<tr>
<td>T2 @ 2700 level</td>
<td>6x 6x 20Ø</td>
<td>8Ø STIRRUP 0.120°/C</td>
</tr>
<tr>
<td>T3 @ 5000 level</td>
<td>6x 6x 20Ø</td>
<td>8Ø STIRRUP 0.120°/C</td>
</tr>
</tbody>
</table>

NOT TO SCALE
MEASUREMENT ARE M/

PH. 619
SECTION OF ENTRANCE

NOT TO SCALE
ALL ARE MM

300
1050

DISTRIBUTION, 8Ø 150GC

T2
12Ø 120CK
2Ø 120CL

Bidhut Chaudhuri, TPS
Divisional Manager
Northern Division, TPS
North Kimburg