

| RFACheck List & Site Handover to O&M Certificate | | | | | | |
|--|------------------------------------|-----------------|----------|---------------|------------------|---------|
| Date: 05/11/2019. | | | | | | |
| Indus ID | IN-13075 | | | | | |
| OPCO ID | PUN 5493 | | | | | |
| Site Name | Relocation MVG-2320 | | | | | |
| Cluster | 12th Flr. | | | | | |
| Heading | PUNE - R-20035594 | | | | | |
| Shelter | Rems | Status (Yes/No) | Make | Size/Capacity | Serial No | Remarks |
| | Proper Sealing of Shelter | N/A | | | | |
| | Space available for BTS in Shelter | | | | | |
| | Space available for 10* | | | | | |
| | Transmission rack | | | | | |
| | Fire Extinguisher Available | Yes | | | | Done |
| | Watch Plate Installed | | | | | |
| | Horizontal cable Tray installed | | | | | |
| | with support BB. BTS Fan/Shelter | | | | | |
| | Standard Cage is properly placed | N/A | | | | |
| | according to site plan | | | | | |
| | BTS Foundation available for | Yes | 2x2 mm | | | Done |
| | Outdoor BTS) | | | | | |
| | EGOB NCB installed with meet bolts | Yes | 2 | Done | | Done |
| | and washers & connected to | | | | | |
| | Earthing pit | | | | | |
| | Aircon Commissioned and cooling | N/A | | | | |
| | tested | | | | | |
| | Aircon external alarms: cable | | | | | |
| | extended and tested | | | | | |
| | PGJ Automation done and tested | Yes | EX-10000 | 24K W | 2025938741102587 | Done |
| | PGJ External alarms: cable | | | | | |
| | extended and tested | | | | | |
| | Insert the Primary Open SBA Card | | | | | |
| | In the Inhibit Modem (DC Energy | | | | | |
| | Monitor) | | | | | |
| | 182 Amp MCB available in PT for | Yes | APBL | 600 A-H 11419 | | Done |
| | BTS | | | | | |
| | PG External alarms: cable | Yes | | | | |
| | extended and tested | N/A | | | | |
| | BTS installed properly | | | | | |
| | DG Commissioned and tested | Yes | | | | Done |
| | DG Battery available & charged | | | | | |
| | DG Battery available in full tank | | | | | |
| | Dissect available in full tank | | | | | |
| | Electricity | Yes | | | | Done |
| | Electricity 3 phase available | Yes | | | | |
| | Tower height complies properly | Yes | | | | |
| | lighting | | | | | |
| | Audition Lamp installed & working | N/A | | | | |
| | Lighting Arrester installed | Yes | | | | Done |
| | Horizontal / Vertical Cable & | | | | | |
| | Ladder Fencing completed | Yes | | | | Done |
| | GSM & MW pole installed at Near | | | | | |
| | End at Height / Azimuth: | | | | | |
| | GSM1: | 1 | | | | Done |
| | GSM2: | 1 | | | | |
| | GSM3: | 1 | | | | |
| | MW1: | 1 | | | | |
| | MW pole installed at Far End at | | | | | |
| | Height / Azimuth: | | | | | |
| | MW1: | 1 | | | | |
| | Owner Issue | | | | | |
| | Compound wall | Not | | | | |
| | Completed (Yes / No) | N/A | | | | |
| | OME Handover | | | | | |
| | OME Handover completed | | | | | |
| | TSP / PMC Representative | | | | | |
| <p>Name: Ankit Gadhar</p> <p>Signature: <i>Ankit Gadhar</i></p> <p>Mobile No: 964279333</p> <p>Date: 05/11/2019</p> | | | | | | |
| <p>Name: Mahesh Sonawane</p> <p>Signature: <i>Mahesh Sonawane</i></p> <p>Mobile No: 9260780745</p> <p>Date: 05/11/2019</p> | | | | | | |

* Access ladder paint pending.
chipping work paint pending.
* key handover.

CIVIL SERVICES

MEASUREMENT SHEET C1

Client Name: INDUS TOWER LTD

Vendor Name: OSPS Telecom Services Pvt. Ltd

Site Name: Relocation Of MG2320

Circle Name Maharashtra

Cluster: Pune

Indus ID: IN-1307515

REF NO.: R/NN-351599

Tower Height: 12M RT Tower

| S. No. | Item | DESCRIPTION | UNIT | Nos | L (mtr) | B (mtr) | D/H(mtr) | Qty | Total Qty | Remarks |
|--------|--|---|------------|-----|---------|---------|----------|--------|-----------|--------------|
| 1 | Dismantling | Dismantling of RCC Colum & Parapet Wall | Cum | 1 | 2.600 | 0.230 | 2.000 | 1.196 | 1.196 | |
| 2 | Tor Steel | P&L Tor steel , ISI marked and approved make. | Kgs. | Dia | U/W | Nos | Length | Weight | | |
| | | RTT Foundation | Kgs. | | | | | | | |
| | | Column main bar | Kgs. | 16 | 1.580 | 32.000 | 1.685 | 85.194 | | as per drg |
| | | | Kgs. | 8 | 0.390 | 36.000 | 1.380 | 19.375 | | |
| | | Column Extra Bar | Kgs. | 12 | 0.890 | 32.000 | 0.450 | 12.816 | | |
| | | Wastage | Kgs. | | | | | 5.869 | | |
| | | | Total | | | | | | 123.254 | |
| 3 | Chemical Rebaring | Chemical Rebaring 16MM Rod 325MM Length | Nos | 32 | | | | 32.000 | 32.000 | For 4 Column |
| 4 | Hilti Chemical RE 500 | Hilti Chemical RE 500 | Packet | 3.5 | | | | 3.500 | 3.500 | For 4 Column |
| 5 | Transport & associated logistics costs | Transportation costs from Warehouse to Site, unloading at site and placing items on the foundations for a GBT site | Per Site | 1 | | | | 1.000 | 1.000 | |
| 6 | Site Security | Site security during site construction for upto 1 months on 24 hours guarding basis | Per Site | 1 | | | | 1.000 | 1.000 | |
| 7 | Site Survey | Survey of sites along with owner/acquisition person and making complete layout of plot for GBT/existing building for RTT showing approach road and adjoining area | Per Site | 1 | | | | 1.000 | 1.000 | |
| 8 | Chipping for RTT site | Chipping of Columns for exposing of existing re-inforcement for RTT site. | Per Pillar | 4 | | | | 4.000 | 4.000 | |
| 9 | PMC- New Build | PMC Charges for New Build site | Site | 1 | | | | 1.000 | 1.000 | |

Regards//

Suresh Pawar
20/9/19

OSPS TELECOM SERVICES PVT. LTD.

7387806548

Rohit Gang.

20/9/19.

CIVIL SERVICES

MEASUREMENT SHEET C2+BTS

Client Name: INDUS TOWER LTD

Vendor Name: OSPS Telecom Services Pvt. Ltd

Site Name: Relocation Of MG2320

Circle Name: Maharashtra

Cluster: Pune

Indus ID: IN-1367515

REF NO: R/NN-351599

Tower Height: 12M RT Tower

| S. No. | Item | DESCRIPTION | UNIT | Nos | L (mtr) | B (mtr) | D/H(m) | Qty | Total Qty | Remarks |
|--------|------------------------------------|--|-------------|-----|---------|---------|--------|----------|-------------|---------|
| 1 | RCC | (c) For GBT/ RTT site - 1:1.5:3 M20 | | | | | | | | |
| | | RTT Tower Foundation | Cum. | 1 | | | | 3.410 | as per drg | C2 ✓ |
| | | OD BTS Foundation | Cum. | 1 | | | | 0.500 | as per drg | BTS ✓ |
| | | Additional QTY due to Pumping | Cum. | 1 | | | | 0.500 | as actual | C2 ✗ |
| | | Total | | | | | | | 4.410 | |
| 2 | Tor Steel | P&L Tor steel, ISI marked and approved make. | Kgs. | Dia | U/W | Nos | Length | Weight | | |
| | | RTT Foundation | Kgs. | | | | | 599.290 | as per drg | C2 ✓ |
| | | OD BTS Foundation | Kgs. | | | | | 40.430 | as per drg | BTS ✓ |
| | | Deduct Column steel QTY | Kgs. | | | | | -123.254 | C1 QTY | ✓ |
| | | Wastage as actual | Kgs. | | | | | 36.153 | | ✓ |
| | | Total | | | | | | | 552.619 | |
| 3 | Shuttering | Providing, Fixing Shuttering. | Sqm | | | | | | | |
| | | Column P1 | Sqm | 4 | 1.200 | 1.200 | | 5.760 | as per drg | C2 ✓ |
| | | Beam B1 Side & Bottom | Sqm | 2 | 2.790 | 1.800 | | 10.044 | as per drg | C2 ✓ |
| | | Beam B2 Side & Bottom | Sqm | 2 | 2.190 | 1.900 | | 8.322 | as per site | C2 ✓ |
| | | Pedestal P2 | Sqm | 4 | 1.600 | 0.250 | | 1.600 | as per drg | C2 ✓ |
| | | OD BTS Foundation | Sqm | 1 | 8.000 | 0.125 | | 1.000 | as per drg | C3 ✓ |
| | | Total | | | | | | | 26.726 | |
| 4 | Bolt & Template fright & fixing | Fixing& Leveling of Bolt &Template including transportation from warehouse to site Including all lifts & leads etc | Per Site | 1 | | | | 1.000 | 1.000 | C2 ✓ |
| 5 | Water Charges | Water Charges (Tankar Capacity-2000 ltrs) | per Tank er | 4 | | | | 4.000 | 4.000 | C2+BTS |
| 6 | RMC Pumping Charges | RMC Pumping charges (Pump used for Tower foundation) | Actu al | 1 | | | | 1.000 | 1.000 | ✗ |
| 7 | Crane Shift | Hydra Crane Shift for Aclass lifting to roof top (Claimed agains Chain Pulley activity) | Shift | 1 | | | | 1.000 | 1.000 | ✗ |

Regards/-

Suresh Pawar
Pawar

27/9/19

OSPS TELECOM SERVICES PVT. LTD.

7397806548

Rohit Garg.

Garg

27/9/19.

* Service part
(Not in Auditor
Scope)

16 Oct 2019

CIVIL MEASUREMENT

MEASUREMENT SHEET T1 & E1

Client Name: INDUS TOWER LTD
 Vendor Name: OSPS Telecom Services Pvt. Ltd
 Site Name: Relocation Of MG2320 ✓
 Circle Name: Maharashtra

Cluster: Pune
 Indus ID: IN-1307515 ✓
 REF NO.: R/NN-351599 ✓
 Tower Height: 12M RT Tower

| S. No. | Item | DESCRIPTION | UNIT | Nos | L (mtr) | B (mtr) | D/H(m) | Qty | Total Qty | Remarks |
|--------|-----------------------------|---|-----------|-----|---------|---------|--------|-------|-------------|---------------|
| 1 | PCC | (a). with mix 1:3:6 (1-Cement : 3-Coarse sand : 6- 20/40mm stone aggregate) | | | | | | | | |
| | | Earthing Area | Cum. | 1 | 3.300 | 0.300 | 0.200 | 0.20 | | |
| | | Parapit wall Repering | Cum. | 1 | 0.700 | 0.230 | 1.200 | 0.19 | | |
| | | | | | | | | | 0.391 | |
| 2 | Grouting | Concrete Grouting below Tower base Plate. | Per / Leg | 4 | | | | 4.00 | 4.000 | ✓ |
| 3 | Concrete Gola | Concrete Gola tapered Concrete | RMT | 1 | 5.600 | | | 5.60 | 5.600 | |
| 4 | Snowcem | P&L 3-Coats of super Snowcem of required shade. | | | | | | | | |
| | | Column P1 | Sqm | 4 | 1.200 | 1.200 | | 5.76 | as per drg | |
| | | Beam B1 Side & Bottom | Sqm | 2 | 2.790 | 1.800 | | 10.04 | as per drg | |
| | | Beam B2 Side & Bottom | Sqm | 2 | 2.190 | 1.900 | | 8.32 | as per site | |
| | | Pedestal P2 | Sqm | 4 | 1.600 | 0.250 | | 1.60 | as per site | |
| | | OD BTS Foundation | Sqm | 1 | 8.000 | 0.125 | | 1.00 | as per drg | 2 mtr X 2 mtr |
| | | Total | | | | | | | 26.726 | |
| 5 | Oil Bond Paint/Enamel Paint | Oil Bond Paint | | | | | | | | |
| | | Column P1 | Sqm | 4 | 1.200 | 0.100 | | 0.48 | | |
| | | Beam B1 Side & Bottom | Sqm | 2 | 2.790 | 0.100 | | 0.56 | | |
| | | Beam B2 Side & Bottom | Sqm | 2 | 2.190 | 0.100 | | 0.44 | | |
| | | Pedestal P2 | Sqm | 4 | 1.600 | 0.100 | | 0.64 | | |
| | | OD BTS Foundation | Sqm | 1 | 8.000 | 0.100 | | 0.80 | | |
| | | Total | | | | | | | 2.916 | |

Regards/-

OSPS TELECOM SERVICES PVT. LTD.

Unkeshwar Samukhdeo
 16/10/19

Unkeshwar Samukhdeo
 9595279521

Anil Gubundar
 16/10/2019
 9545999050
 Inhouse

16 Oct 2019

SERVICES MEASUREMENT
MEASUREMENT SHEET T1 & E1

Client Name: INDUS TOWER LTD
Vendor Name: OSPS Telecom Services Pvt. Ltd
Site Name: Relocation Of MG2320
Circle Name Maharashtra

Cluster: Pune
Indus ID: IN-1307515 ✓
REF NO.: R/NN-351599 ✓
Tower Height: 12M RT Tower

| Circle Name Maharashtra | | | | | | | | | | |
|-------------------------|--|--|-------------|-----|---------|---------|--------|-------|-----------|-----------------|
| S. No. | Item | DESCRIPTION | UNIT | Nos | L (mtr) | B (mtr) | D/H(m) | Qty | Total Qty | Remarks |
| 1 | Door & Window Fittings | (d) Lock 7-liver (link,plaza,harison make) (BC,PP,SP,Rack, DCDB) | Nos | 7 | | | | 7.00 | 7.000 | ✓ |
| 2 | Mount Installtion | RRU Mount Antena | Nos | 2 | | | | 2.00 | 2.000 | |
| 3 | MS Structure | MS Structure | Kgs. | | | | | | | |
| | | Step Ladder for Tower | Kgs. | | | | | | | |
| | | Main angle for (50*50*6) | Kgs. | 2 | 2.500 | 4.500 | | 22.50 | | |
| | | Step Ladder (40*40*4) | Kgs. | 6 | 0.800 | 3.45 | | 16.56 | | |
| | | Ladder handal (40*40*4) | Kgs. | 1 | 4.500 | 3.45 | | 4.50 | | |
| | | Wastage | Kgs. | | | | | 2.18 | | |
| | | Total | | | | | | | | 45.738 |
| 4 | Hilti Anchor Fastener | For Equipment (BC,SP,Rack, DCDB, Platform,Railing,Ladder) | Nos | 24 | | | | 24.00 | 24.000 | ✓ |
| 5 | Removal of Malva | Removal of malva / Cleaning of site after completion of finalworks. | Per Site | 1 | | | | 1.00 | 1.000 | |
| 6 | Water Charges | Water Charges (Tankar Capacity-2000 ltrs) | per Tanker | 5 | | | | 5.00 | 5.000 | After c2 Curing |
| 7 | Battery Chiller-Installation (Cabinet) | Installation(placing unit on civil platform) of Chiller and termination of cable. | Per chiller | 1 | | | | 1.00 | 1.000 | ✓ |
| 8 | SMPS Installation | Installation of SMPS ✓ | Per PMS | 1 | | | | 1.00 | 1.000 | ✓ |
| 9 | Transport & associated logistics costs | Transportation costs from Warehouse to Site, unloading at site and placing items on the foundations for a GBT site | Per Site | 1 | | | | 1.000 | 1.000 | * |
| | | Adistnal 2nd time lifting from WH | Per Site | | | | | 0.500 | 0.500 | |
| 10 | SP Installation | ACDB Installtion (SP) | Nos | 1 | | | | 1.00 | 1.000 | |
| 11 | OD Rack Installation | OD Rack Installation ✓ | Nos | 1 | | | | 1.00 | 1.000 | ✓ |
| 12 | Alarm termination | Termination of all alarms in DDF and checking the functionality of the same | Per Site | 1 | | | | 1.00 | 1.000 | ✓ |
| | Cable Laying Charges | Cable Laying Chargess for New Build | Per Site | 1 | | | | 1.00 | 1.000 | * |
| 13 | Minor Transportation | Minor Transportation | Per Site | 1 | | | | 1.00 | 1.000 | * |

* Service Port

Regards//

OSPS TELECOM SERVICES PVT. LTD.

→ ACDB Installation → 01 NO ✓

① Inkeswar
16/10/19

Inkeswar Samukhego

16/10/2019
Anil Pulbundero
9545999050
Inhouse

16 Oct 2019

MEASUREMENT SHEET FOR E1

Client Name: INDUS TOWER LTD
Vendor Name: OSPS Telecom Services Pvt. Ltd
Site Name: Relocation Of MG2320
Circle Name: Maharashtra

Cluster: PUNE
Indus ID: IN-1307515
REF NO.: R/NN-351599
Tower Height: 12M RT Tower

| S. No. | Item | DESCRIPTION | UNIT | Make | Utilization | Total Qty | Quantity Verified by Audit Engg. |
|--------|----------------------------------|--|------|--------------------------------|-----------------------------------|-----------|----------------------------------|
| 1 | Cables | S/L 70 Sq MM, 1 Core Red & Black, Copper Unarmoured flexible Multistrand power cable, including providing glands & thimbles. | Mtr. | Finolex/Polycab/Havells/Gemsab | SMPS to Battery Bank | 44 Mtr. | 12 mtr |
| | | S/L 25 Sq MM, 4 Core Copper Unarmoured flexible Multistrand power cable, including providing glands & thimbles. | Mtr. | | ACDB to SMPS | 6 Mtr. | 44 |
| | | S/L 25 Sq MM, Green 1 Core Copper Unarmoured Multi strand HRFR, including providing glands & thimbles. | Mtr. | | Earthing of Equipments | 26 Mtr. | |
| | | S/L 35 Sq MM, 1 Core, Copper Unarmoured Multi strand HRFR, including providing glands & thimbles. | Mtr. | | DCDB As per requirement | 25 Mtr. | |
| | | S/L 16 Sq MM, 1 Core, Copper Unarmoured Multi strand HRFR, including providing glands & thimbles. | Mtr. | | Rack + cabinet As per requirement | 38 Mtr. | 34 mtr |
| | | S/L 2.5 Sq MM, 3 Core, Copper Unarmoured Multi strand HRFR, including providing glands & thimbles. | Mtr. | | light + socket As per requirement | 18 Mtr. | 18 |
| 2 | Earthing | P/F Earthing, EGB GI Busbar size 300x150x3 mm, fastners, nuts, bolts, washers, drilling of holes. | Nos. | | External Grounding Bar | 2 Nos | |
| | | P/F Earthing, GI strip, 25x3 with all installation accessories, Version 1.0 | Mtr. | | Earthing Strip down conductors. | 52 Mtr. | |
| | | P/F GI strip, 25x6 with all installation accessories, Version 1.0 | Mtr. | | Earthing Strip down conductors. | 90 Mtr. | 110 mtr |
| 3 | Lightening Arrestor | P/F of Franklin Rod of 19 mm dia & 800 mm length with pointed on top. | Nos. | | LA Tower | 1 Nos | 1 |
| 4 | Room Wiring | P/F making of power point - 2 Nos. & laying wiring for the same (2.5sq mm) | Nos. | | As per requirement | 1 Nos | 00 |
| | | P/F Bulk head light & laying wiring for the same (1.5sq. Mm.) | Nos. | | As per requirement | 1 Nos | |
| 5 | Conduit | P/F 25 mm Cable Conduite pipe | Mtr. | | As per requirement | 40 Mtr. | |
| | | P/F 40 mm Cable Conduite pipe | Mtr. | | As per requirement | 35 Mtr. | |
| 6 | OFC Duct | P/F Flexible OFC duct 50 mm | Mtr. | | As per requirement | 35 Mtr. | 18x2 |
| 7 | ACDB | P/F 12 way double door DCDB (ACDB) | Nos. | schneider | As per requirement | 1 Nos | |
| 8 | DCDB | P/F 8 way double door DCDB | Nos. | Havells | As per requirement | 1 Nos | |
| 9 | MCB | 16 Amp 1 pole | Nos. | | As per requirement | 8 Nos | |
| | | 32 Amp 1 pole | Nos. | | As per requirement | 5 Nos | |
| | | 63 Amp 1 pole | Nos. | | As per requirement | 1 Nos | |
| | | 63 Amp 4 pole | Nos. | | As per requirement | 1 Nos | |
| 10 | Modular Switches | Waterproof switch | Nos. | | As per requirement | 1 Nos | |
| 11 | MS Structure | 50X3 Angle for Installation ACDB & DCDB | KG | | As per requirement | 05 KG | 00 |
| 12 | Meter Box | 2x4 ft. Meter box for DCDB | Nos. | | As per requirement | 2 Nos | |
| 13 | External Cable Tray Installation | CABLE TRAY, Horizontal Cable Tray, 450mm Version 1.0 | Set | | As per requirement | 1 set | |

Regards/- → LA Insulators - 01 No

Signature Name

OSPS TELECOM SERVICES PVT. LTD.

Unkeshwar Samukheo
16/10/19

Signature
16/10/2019

Anil Subundoro
9545999050
Inhouse

Welcome OSPS Telecom Services Pvt Ltd Suresh Pawar

Online

18.459 | 73.883 (NW)

Queue : 0

IMAPP

04/10/2019 01:55 PM

One @ Risk Validated
IndusId: IN-1367515
Activity: Electrical
Start Dt: 04-10-2019
End Dt: 04-10-2019
TSP SPOC: 9049755583
PTW No.: 1797712

IMAPP

One @ Risk Validated
IndusId: IN-1367515
Activity: Electrical
Start Dt: 04-10-2019
End Dt: 04-10-2019
TSP SPOC: 9049755583
PTW No.: 1797712

OK

IMAPP

16/09/2019 12:26 PM

One @ Risk Validated
IndusId: IN-1366765
Activity: Electrical
Start Dt: 16-09-2019



For support call: 0484 - 7115911

Powered by LetMeDoit - v3.0.234

Welcome OSPS Telecom Services Pvt LtdSuresh Pawar

Online

18.459 | 73.883 (NW)

Queue : 0

IMAPP

16/10/2019 01:07 PM

One @ Risk Validated
IndusId: IN-1367515
Activity: Electrical
Start Dt: 16-10-2019
End Dt: 16-10-2019
TSP SPOC: 9049755583
P

IMAPP

One @ Risk Validated
IndusId: IN-1367515
Activity: Electrical
Start Dt: 16-10-2019
End Dt: 16-10-2019
TSP SPOC: 9049755583
PTW No.: 1812365

OK

IMAPP

PM

One @ Risk Validated
IndusId: IN-1367515
Activity: Material handling
Start Dt: 07-10-2019
End Dt: 07-10-2019
TSP SPOC: 9049755583
PTW No.: 1800516

IMAPP

07/10/2019 11:57 AM

One @ Risk Validated



For support call: 0484 - 7115911

Powered by LetMeDoit - v3.0.234

| |
|---|
| BUILDING DETAILS: |
| HEIGHT OF BUILDING = (G+2)9.00M.&(G+3)12.00M. |
| STR /LMR/ EXTENSION =1.20 M. |
| HEIGHT OF PRO. TOWER=12.0 M |
| PROPOSED. TOWER AGL= 25.20M |

Checked By

Cham B.

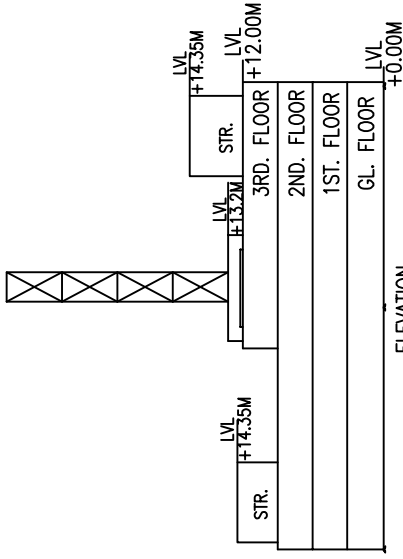
Ratnakar Birajdar

EMGP ID-104750

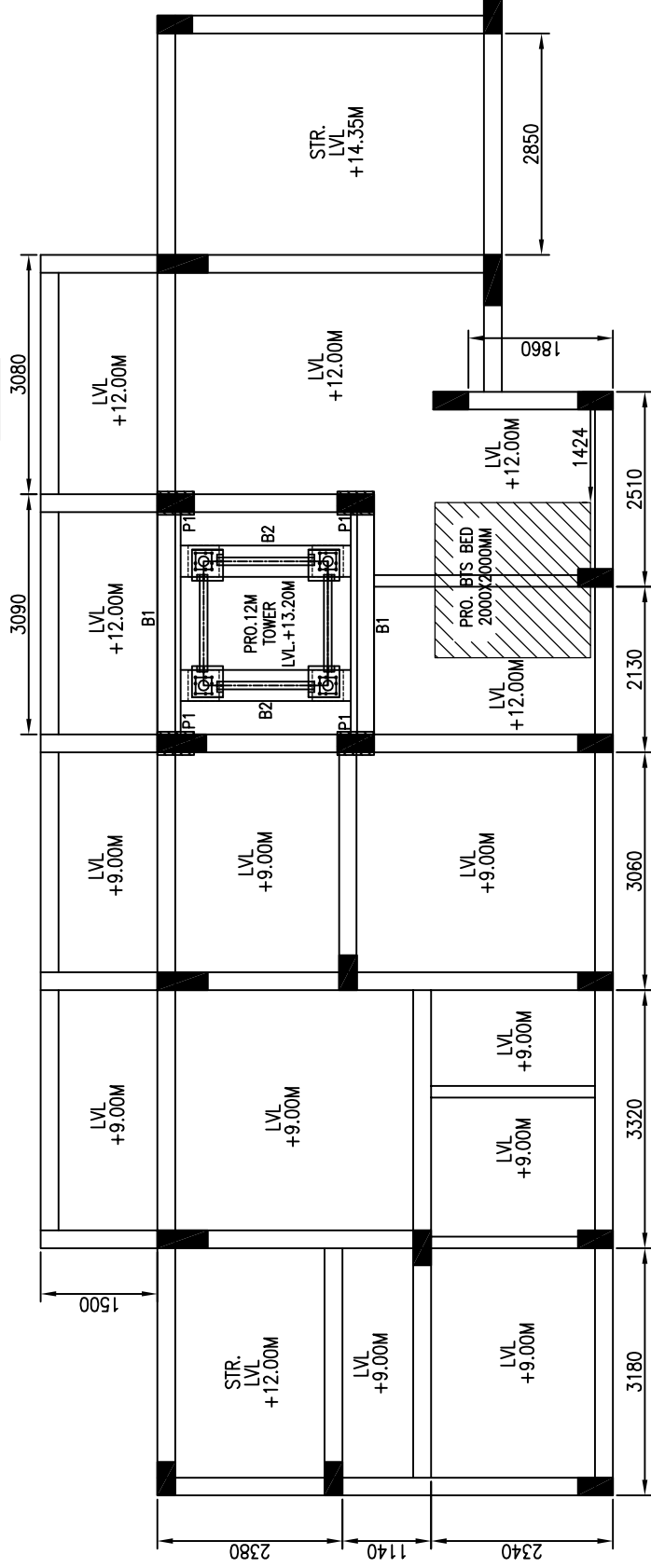
Date: 06/09/2019



PRO.12M TOWER
LVL.+25.20M



ELEVATION



TERRACE LAYOUT

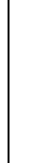
SITE NAME :- RELOCATION OF MG2320

DESCRIPTION:-PRO. TERRACE LAYOUT

CONSULTANT

SITE ADD. :-WAMAN VIHAR, SR NO.2, H NO.1/2A/1,NR.YASHODHAN SOC. KONDHWA BK,PUNE-411048.

DRAWING NO.:GD-IND-2019-20-NB-194



SITE ID :-IN-1367515

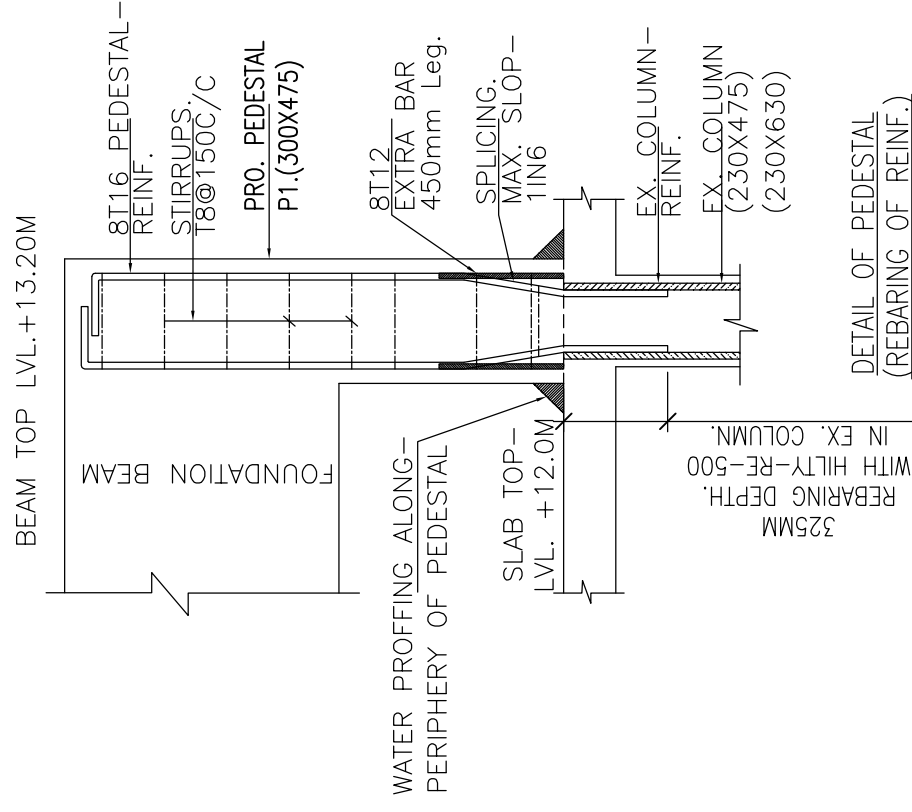
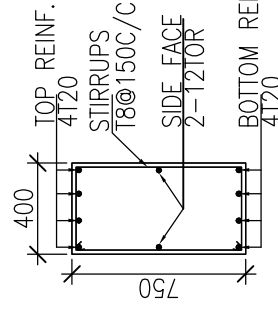
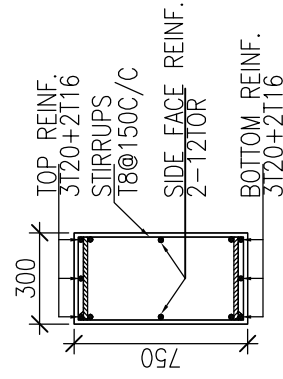
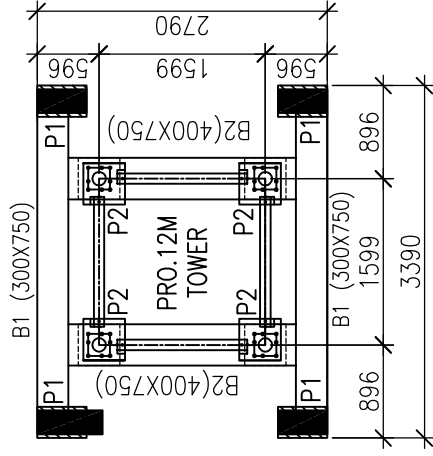
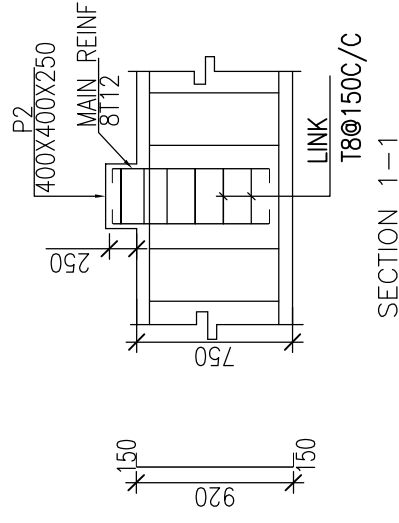
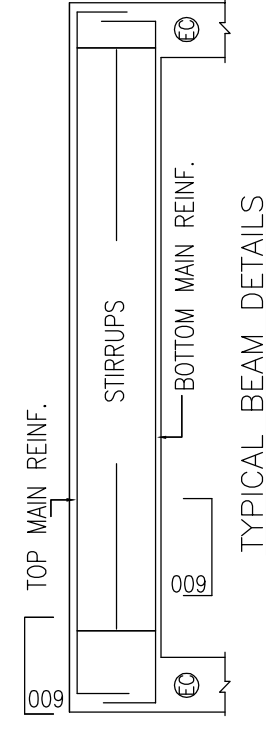
REF. ID :-R/NN-351599

DATE 11.09.19

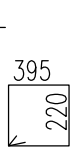
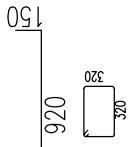



PRADIP GANESH RUTUSHRI

OMKAR

NOTE :- 1. PLEASE CHECK DIMENSIONS BEFORE EXECUTING THE WORK.



| | | | | | | |
|--|-----------------------------------|----------------------|-----------------------|--------|--------------|------------|
| SITE NAME :- RELOCATION OF MG2320 | DESCRIPTION:- TOWER DETAILS & BBS | | | | PROJECT HEAD | CONSULTANT |
| SITE ADD. :-WAMAN VIHAR, SR NO.2, H NO.1/2A/1,NR.YASHODHAN SOC. KONDHWA BK,PUNE-411048. | DRAWING NO.:GD-IND-2019-20-NB-194 | | | | | |
| NOTE :- 1. PLEASE CHECK DIMENSIONS BEFORE EXECUTING THE WORK. | REV. NO. | SITE ID :-IN-1367515 | REF. ID :-R/NN-351599 | | | |
| | REV. DATE | DATE | CHECKED | DESIGN | DRAWN | SURVEY |
| | SCALE | N.T.S. | 11.09.19 | PRADIP | GANESH | KOMAL |
| | | | | | | OMKAR |



| BAR BENDING SCHEDULE OF COLUMN,BEAM,SLAB | | | | | | |
|--|-----------------|---|----------------|---------------|--------------------|-------------------|
| DESCRIPTION | BAR DIA (mm) | BAR SHAPE | LENGTH (mm) | NOS. REQD. | UNIT WT. (kg/m) | TOTAL WT. (kg) |
| COLUMN P1 (4 NOS) 300X475 | 16 | 325+1160 REBARING | 1685 | 32 | 1.58 | 85.19 |
| | 8 |  | 1380 | 36 | 0.39 | 19.37 |
| COLUMN P1 EXTRA BAR | 12 | 450 | 450 | 32 | 0.89 | 12.81 |
| TOWER PEDESTAL P2 (400X400) IN 4 NOS. | 12 |  | 1220 | 32 | 0.89 | 34.74 |
| | 8 |  | 1430 | 32 | 0.39 | 17.84 |
| BEAM B1, 02 NOS. 300X750 | 20 | 3340 | 4540 | 12 | 2.47 | 134.56 |
| | 16 | 3340 | 4540 | 08 | 1.58 | 57.38 |
| | 8 |  | 2050 | 40 | 0.39 | 31.98 |
| BEAM B1 FACEBAR | 12 | 3340 | 3340 | 04 | 0.89 | 11.89 |
| BEAM B2 02 NOS. 400X750 | 20 | 2740 | 3940 | 16 | 2.47 | 155.70 |
| | 8 |  | 2250 | 32 | 0.39 | 28.08 |
| BEAM B2 FACEBAR | 12 | 2740 | 2740 | 04 | 0.89 | 9.75 |
| TOTAL WEIGHT= 599.29 KGS. | | | | | | |
| TOTAL WEIGHT WITH 7% WASTAGE= 641.24 KGS. | | | | | | |

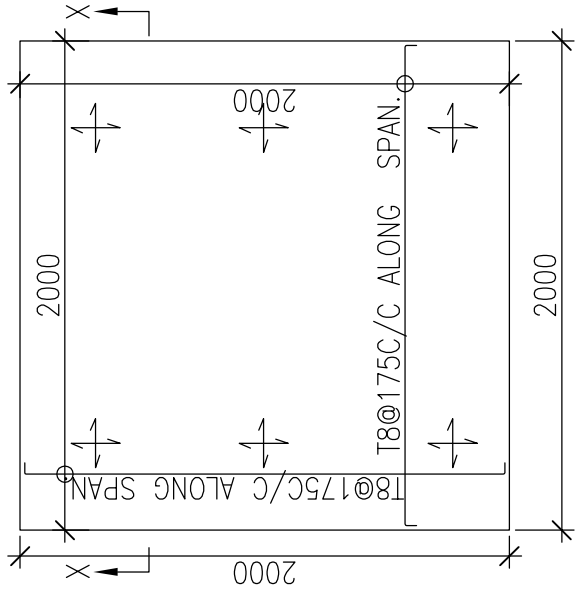
| CONCRETE QUANTITY (M20) | | | | |
|-------------------------|------|---------------|--------------|---------------|
| DESCRIPTION | NO'S | LENGTH (L) | WIDTH (B) | HEIGHT (H) |
| PEDESTAL P1 | 04 | 0.30 | 0.475 | 1.20 |
| BEAM B1 | 02 | 2.79 | 0.30 | 0.75 |
| BEAM B2 | 02 | 2.19 | 0.40 | 0.75 |
| PEDESTAL P2 | 04 | 0.40 | 0.40 | 0.25 |
| TOTAL QTY. = | | | | 3.41 CUM |

METHOD STATEMENT FOR CHEMICAL ANCHOR

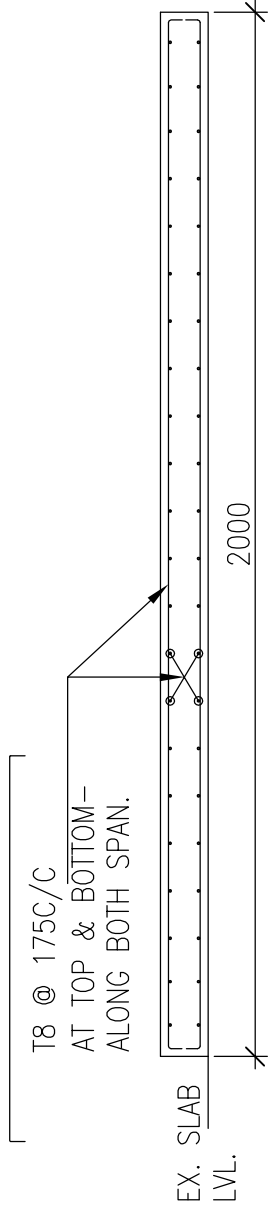
1. SCANNING TO BE DONE TO AVOID HITTING OF EXISTING REINFORCEMENT
2. DRILLING OF HOLE WITH DOUBLE FLUTE TYPE DRILL BIT/ (HOLLOW DRILL BIT & VACUUM CLEANER ASSEMBLY) OF DIAMETER 18 OR 20MM IN THE EXISTING CONCRETE UP TO 325MM AS PER DESIGN REQUIREMENT.
3. CLEANING OF HOLE WITH JET OF COMPRESSED AIR AND BRUSH.
4. INJECTING AN EPOXY MORTAR RE500V3 WITH A BATTERY OPERATED/MECHANICAL OPERATED DISPENSER.
5. INSTALL 16MM DIA. BAR (GRADE FE 500).
6. MIN. CLEAR SPACING TO POST INSTALLED BARS SHOULD BE 40MM OR 4 TIMES OF BAR DIA.

NOTE - ANY DEVIATION FROM THE ABOVE SHOULD BE VETTED BY THE STRUCTURAL CONSULTANT GREEN DESIGN BEFORE EXECUTION.

| | | | | | | | |
|--|--|-----------------------------------|----------------------|----------|-----------------------|---|---|
| SITE NAME :- RELOCATION OF MG2320 | | DESCRIPTION:- TOWER DETAILS & BBS | | | |  |  |
| SITE ADD. :-WAMAN VIHAR, SR NO.2, H NO.1/2A/1,NR.YASHODHAN SOC. KONDHWA BK,PUNE-411048. | | DRAWING NO.:GD-IND-2019-20-NB-194 | | | | | |
| NOTE :- 1. PLEASE CHECK DIMENSIONS BEFORE EXECUTING THE WORK. | | REV. NO. | SITE ID :-IN-1367515 | | REF. ID :-R/NN-351599 | | |
| | | REV. DATE | DATE | CHECKED | DESIGN | DRAWN | SURVEY |
| | | SCALE | N.T.S. | 11.09.19 | PRADIP | GANESH | KOMAL |



BTS. BED PLAN(2000X2000X125)



SECTION X-X

| BAR BENDING SCHEDULE OF BTS BED | | | | | |
|--|--------------|-----------|-------------|-------------------|----------------|
| DESCRIPTION | BAR DIA (mm) | BAR SHAPE | LENGTH (mm) | NOS. REQD. (kg/m) | TOTAL WT. (kg) |
| SLAB STEEL TOP & BOTTOM ALONG BOTHWAYS | 8 | 1970 | 2070 | 48 | 38.75 |
| CHAIR. | 8 | 200 | 720 | 06 | 1.68 |
| TOTAL WT. = 40.43 Kg | | | | | |

| CONCRETE QUANTITY FOR BTS BED (M-20) | | | | |
|--------------------------------------|------|------------|-----------|-------------------------|
| DESCRIPTION | NO's | LENGTH (L) | WIDTH (B) | THICKNESS (T) QTY.(CUM) |
| BTS BED (2000X2000X125) | 01 | 2.00 | 2.00 | 0.125 |
| TOTAL WT. = 0.50 CUM | | | | |

| | | | | | | | |
|---|-----------|--|----------------------|--------------|--------|------------|--|
| SITE NAME :- RELOCATION OF MG2320 | | DESCRIPTION:- RCC. DETAIL FOR BTS BED. | | PROJECT HEAD | | CONSULTANT | |
| SITE ADD. :-WAMAN VIHAR, SR NO.2, H NO.1/2A/1,NR.YASHODHAN SOC. KONDHWA BK,PUNE-411048. | | DRAWING NO.:GD-IND-2019-20-NB-194 | | | | | |
| NOTE :- 1. PLEASE CHECK DIMENSIONS BEFORE EXECUTING THE WORK. 2. BONDING AGENT 'ROFF CONCRETE BOND' TO BE APPLIED ON TERRACE BEFORE CASTING PEDESTAL. | REV. NO. | SITE ID :-IN-1367515 | REF. ID:-R/NN-351599 | | | | |
| | REV. DATE | CHECKED | DESIGN | DRAWN | SURVEY | | |
| | SCALE | N.T.S. | PRADIP | GANESH | KOMAL | OMKAR | |



6



REF: GD-IND-2019-20-NB-194

DATE: 11.09.2019

STRUCTURAL STABILITY CERTIFICATE

PROJECT : INDUS TOWERS LTD., PUNE.

SITE ID : IN-1367515

REF. ID : R/NN-351599

SITE NAME : RELOCATION OF MG2320

**SITE ADD . : WAMAN VIHAR, SR NO.2, H NO.1/2A/1,NR.YASHODHAN SOC.
KONDHWA BK, PUNE-411048.**

Based on the detailed structural stability survey carried out by us, and on instructions by **M/S. INDUS TOWERS LTD., PUNE.** We here by certify that the existing framed structure of building will be capable of sustaining the additional load imposed by the **12 M Tower** at 1.2m extension from terrace level along with **BTS** and their **R.C.C. FOUNDATIONS** indicated in the plan.

As per the visual inspection and observations during the site visit, existing building does not show any signs of deterioration, no structural cracking and no foundation settlement hence we can say that the condition of building is good and stable to take the additional load.

This certificate has been given under following condition:

- The validity of this certificate is subjected to execution and supervision carried out by M/S. INDUS TOWERS LTD., PUNE.
- Maintain the Tower structure periodically by M/S. INDUS TOWERS LTD., PUNE. i.e. every year or whenever arise the requirement of maintenance.

FOR GREEN DESIGN



PRADIP PEJGUDE

PMC Lic no. 645B

PMC Lic no. 1549

PCMC Lic no.173

AMC SD 0523030122

SMC Lic. No. TDO/STDR/411



कर्मचारी भविष्य निधि संगठन
Employees' Provident Fund Organization

भविष्य निधि भवन, १४, भीकाजी कामा प्लेस, नई दिल्ली - ११००६६
Bhavishya Nidhi Bhawan, 14, Bhikaji Cama Place, New Delhi - 110066

Generated On 14/11/2019 11:33:

Payment Confirmation Receipt

| | |
|-----------------------------|---------------------------------|
| TRRN No : | 1201911013134 |
| Challan Status : | Payment Confirmed |
| Challan Generated On : | 12-NOV-2019 14:19:05 |
| Establishment ID : | APHYD0042194000 |
| Establishment Name : | OSPS TELECOM SERVICES PVT. LTD. |
| Challan Type : | Monthly Contribution Challan |
| Total Members : | 54 |
| Wage Month : | OCT-2019 |
| Total Amount (Rs) : | 1,06,539 |
| Account-1 Amount (Rs) : | 71,285 |
| Account-2 Amount (Rs) : | 2,136 |
| Account-10 Amount (Rs) : | 31,243 |
| Account-21 Amount (Rs) : | 1,875 |
| Account-22 Amount (Rs) : | 0 |
| Payment Confirmation Bank : | HDFC Bank |
| CRN : | 240141119003920 |
| Payment Date : | 14-NOV-2019 |
| Payment Confirmation Date : | 14-NOV-2019 |





ESIC
Employees' State Insurance Corporation

Insurance

0

[Monthly Contribution](#) > Online Challan Form

| Transaction Details | | * Required Fields |
|------------------------|--------------------------|-------------------|
| Transaction status: | Completed Successfully | |
| Employer's Code No: | 52000202200001099 | |
| Employer's Name: | O S P S TELECOM SERVICES | |
| Challan Period: | Oct-2019 | |
| Challan Number : | 05219138487495 | |
| Challan Created Date | 14-11-2019 11:39:50 | |
| Challan Submitted Date | 14-11-2019 11:40:01 | |
| Amount Paid: | 15612.00 | |
| Transaction Number: | 193183130250 | |
| <div>PrintClose</div> | | |

DISCLAIMER: Content owned, maintained and updated by Employee's State Insurance Corporation. Copyright © 2009, ESIC, India. All Rights Reserved. Best viewed in 1024 x 768 pixels, Designed and Developed by Wipro LTD. IP Address :