

## **CURRICULUM VITAE**

**Aman Sahay Shrivastava**  
**(Design engineer)**  
**D-272 Ganesh Nagar**  
**New Delhi, INDIA.**

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### **PROFESSIONAL SUMMARY-**

STRUCTURE DESIGNER HAVING 3 YEARS OF DESIGN EXPERIENCE IN TRANSMISSION LINE TOWERS, TELECOM TOWERS, POLES, BUILDING STRUCTURES AND FOUNDATION DESIGN WITH THE HELP OF INDIAN CODES, EUROPEAN CODES AND AMERICAN CODES.

### **ACHIEVEMENTS-**

- AWARDED EMERGING YOUNG ENGINEERING MANAGER AT "QACA".
- GOT WORK APPRECIATION CARD FROM MANAGEMENT AT "QACA".

### **PROFESSIONAL EXPERIENCE-**

**STRUCTURAL ENGINEER- DDF CONSULTANT PVT LTD, NEW DELHI. (DEC-2019-FEB-2020)**

**PROJECT- DESIGN OF NATIONAL SEISMIC RISK MITIGATION PROGRAMME(NSRMP).**

- RETROFITTING OF EXISTING BUILDING,
- PLANNING OF PROJECT ACTIVITIES.
- CHECKING OF DESIGN AND DRAWING.
- PRIORITIZATION OF DATA (AS PER EARTHQUAKES ZONE)
- MANAGEMENT OF SITE DATA.

**DESIGN ENGINEER- R.S. INFRA PROJECTS PVT LTD. NOIDA, U.P. INDIA. (May-2019-Dec-2019)**

### **TENDER STAGE**

- DECIDING THE TOWER GEOMETRY IN ACCORDANCE TO THE GUIDELINES OF THE CLIENT.
- CLARIFICATION FROM CLIENT FOR TECHNICAL QUERIES DURING SUBMISSION OF TENDER IF ANY.
- PREPARATION OF CLEARANCE DIAGRAM OF JUMPER SWING AND INSULATORS FROM THE TOWER BODY.
- ESTIMATION OF THE TOWER WEIGHT AND THE FOUNDATION VOLUMES.
- PREPARATION OF SUBMITTALS AND HAND IT OVER TO THE PROJECT COORDINATORS.
- INTERACTION WITH PROJECT COORDINATORS FOR THE SUBMISSION OF THE TENDER WITHIN THE SPECIFIED TIMELINE.

### **POST TENDER / WORK ORDER STAGE:**

- SAG TENSION CALCULATION OF THE WIRES (GROUND WIRE AND CONDUCTOR) TO MAINTAIN A MIN GROUND CLEARANCE FROM GROUND AS PER THE SPECIFICATION PROVIDED BY THE CLIENT.
- CALCULATION OF LOAD ON THE TOWER DUE TO SELF-WEIGHT, WIND, TENSIONS IN WIRE FOR DIFFERENT LOAD CASES.
- INTERACTION WITH DRAFTSMAN FOR PREPARATION OF LINE AND CLEARANCE DIAGRAM AND LOADING TREES DIAGRAM.
- OPTIMIZATION OF THE TOWER USING SOFTWARE SUCH AS PLS TOWER AND FOUNDATION VOLUME WITHIN THE BORDERS OF THE SPECIFICATION PROVIDED BY THE CLIENT.
- CALCULATION OF WEIGHT & FOUNDATION VOLUMES.
- DEFLECTION AND BENDING CHECK OF HORIZONTAL MEMBERS FOR WORKING PLATFORMS.
- DEVELOPMENT OF STRUCTURAL DRAWINGS AND ESTIMATION OF BILLS OF QUANTITY.
- RESOLVING QUERIES AND INTERACTING WITH CLIENT FOR SUCCESSFUL APPROVAL OF THE DESIGN DOCUMENT SUBMITTED.

**DESIGN ENGINEER- QUALITY AUSTRIA CENTRAL ASIA PRIVATE LTD. (Feb-2018-Jan-2019)**

**PROJECTS:**

- POLE LOAD VALIDATION ANALYSIS(PLVA), CLIENTS- ATC TELECOM, INDUS TOWER, BHARTI INFRATEL LIMITED.
  1. ANALYSIS ON EXISTING STRUCTURE,
  2. PROVIDE STRENGTHENING SOLUTION FOR PROPOSED ANTENNA LOADING.
  3. ANALYSIS & DESIGN OF FLANGE PLATE,
  4. ANALYSIS OF EXISTING BASE PLATE
  5. COORDINATE A TEAM OF MULTISCIPLINARY ENGINEERS & DRAFTSMAN.
  6. ANALYSIS AND DESIGN OF MONO POLES OF 40M, 30 M HEIGHTS.
  
- TOWER LOAD VALIDATION ANALYSIS(TLVA), CLIENTS- ATC TELECOM, INDUS TOWER, BHARTI INFRATEL LIMITED.
  1. ANALYSIS & DESIGN OF ANGULAR TOWER-3 LEGGED & 4 LEGGED.
  2. ANALYSIS & DESIGN OF HYBRID TOWER-3 LEGGED & 4 LEGGED
  3. ANALYSIS & DESIGN OF DELTA TOWER-3 LEGGED & 6 LEGGED
  4. ANALYSIS & DESIGN OF MAST TOWER-3 LEGGED & 4 LEGGED
  5. PROVIDE STRENGTHENING SOLUTION FOR PROPOSED ANTENNA LOADING.
  6. ANALYSIS & DESIGN OF FLANGE PLATE,
  7. ANALYSIS OF EXISTING BASE PLATE
  8. COORDINATE THE TEAM OF ENGINEERS & DRAFTSMAN.

**ASSISTANT DESIGN ENGINEER- SHELTERA CONSULTANT PRIVATE LIMITED, (Jan-2017-Oct-2017)**

**PROJECTS:**

- POLE LOAD VALIDATION ANALYSIS(PLVA), CLIENTS- INDUS TOWERS, BHARTI INFRATEL LIMITED.
  1. ANALYSIS ON EXISTING STRUCTURE,
  2. PROVIDE STRENGTHENING SOLUTION FOR EXTRA PROPOSAL ANTENNA LOADING.
  3. ANALYSIS & DESIGN OF FLANGE PLATE,
  4. ANALYSIS OF EXISTING BASE PLATE
  5. COORDINATE THE TEAM OF ENGINEERS & DRAFTSMAN.
  6. VERTICALITY CHECK OF MONOPOLES OF 40M, 30 M HEIGHTS.

**ASSISTANT PROFESSOR- MAHARANA PRATAP COLLEGE OF TECHNOLOGY, GWALIOR**

- THEORY OF STRUCTURE,
- BASIC CIVIL & MECHANICS.

**TECHNICAL SKILLS-**

- KNOWLEDGE OF IS 456-200, IS 800-2007, SP16.
- KNOWLEDGE OF IS 802 PART 1 & 2
- KNOWLEDGE OF IS 875 -2015 PART 3,

- KNOWLEDGE OF IS 1161(STEEL TUBES),
- KNOWLEDGE OF TIA-EIA- 222 G & H(AMERICAN CODE)
- KNOWLEDGE OF BS EN 1991-1-4:2005(EUROPEAN CODE)
- KNOWLEDGE OF BS EN 1993-3-1:2006(EUROPEAN CODE)
- KNOWLEDGE OF ASCE MANUAL 52(TRANSMISSION TOWER)
- KNOWLEDGE OF EN 50341-1:2012 (EUROPEAN CODE).

#### **SOFTWARE SKILLS-**

- PLS TOWER,
- STAAD-PRO,
- AUTO CAD,
- 3DS-MAX,
- E-TABS,
- MS OFFICE,

#### **EDUCATIONAL DETAIL-**

<b>YEAR</b>	<b>DEGREE / EXAMINATION</b>	<b>BOARD/UNIVERSITY</b>	<b>Marks %</b>
2014	B.E.(civil engineering)	R.G.P.V BHOPAL(M.P.)	72.20%
2010	XIIth	Madhya Pradesh	71.2 %
2008	Xth	Madhya Pradesh	74.4 %

#### **DECLARATION-**

I do hereby declare that the particulars of information and facts stated here in above are true, correct and complete to the best of my knowledge and belief.

Place: NEW DELHI

AMAN SAHAY SHRIVASTAVA