

ENGINEERS & CONSULTANCY

An ISO 9001-2015 Certified & MSME Registered Service Enterprise, Govt. of India.

Primary Business Address: Near Old Bus Stand | Jhumri Telaiya | Koderma | Jharkhand|825409

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ENGINEERS & CONSULTANCY
over 30 years of trust

Ref: E&C/Bpl /EC/001

Date:- 30/03/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Er. Avinash Kumar Singh is working as structure Engineer from June 2016 to Till Date, he is also an designated partner in our partnership firm from February 2019.

He is engaged in Managing projects, Design & Drawing of Civil structure.

As an Structure Engineer, he is responsible for all types of work performing to building, Industries, liquid storage tank, bridges, culverts, roads, etc. design, according to relevant Indian Standard Codes, N.B.C & Bye-laws of local authority.

His place of working is in Bhopal and looking after all the govt. & private projects bids by firm.

He bears a good moral character and hard working to best of my Knowledge.

Pankaj Patil

Director/Partner

Er. Pankaj Patil, Bhopal

mt
Director



Secondary Business Address:

IInd Floor | Plot No: 37 | C-Sector | Indrapuri | Bhopal-462022



0755-4278170
+616261341135

Current Position and Address

Structure Engineer

Avinash Kumar Singh, M.Tech (Structure, Hons.)

Phone: 0755-4278170 (R), 9926021411 (mobile)

Email IDs: str.avinash@outlook.com; avinashkumarsingh@icloud.com



Academic Qualifications:

Pursuing Ph.D* in Structural Engineering –Government Engineering College, RGPV, Bhopal

M.Tech in Structural Engineering, 2015- Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, M.P India

B.E.in Civil Engineering, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, 2013 Bhopal, M.P, India

Experience / Projects undertaken / projects completed:

1. Worked as **Consultant in Civil Engineering PSS Central Institute of vocational Education, (NCERT), Bhopal. Under Ministry of HRD, Government of India.**
2. Worked as **Research Associate at “CSIR-Advanced Material and processes Research Institute”, Bhopal, Under Ministry of Science and Technology, Government of India.**
3. Worked as a Structural Engineer (Registered under Govt. of Jharkhand, M.P & U.D.H.D)
Project undertaken:
 - i) Designed R.C.C Industrial Building G+7 and Powder Plant, Height 100 ft.
 - ii) Structural Health Monitoring of MES building at Itarsi, Structural Health Monitoring of Fired Damaged Building at Bhopal.
 - iii) Design and execution of Commercial complex and Soil analysis of Dump yard at Bhanpur, Bhopal
 - iv) Design of Club house at Mumbai.
 - v) **Completed Projects of Construction of:** Jharkhand Vidhi Mahavidyalaya at Jhumri Telaiya, koderma, Jharkhand.
 - vi) Jharkhand Teacher’s Training College at Jhumri Telaiya, koderma, Jharkhand.
 - vii) **Ongoing Projects:** Nawada Vidhi Mahavidyalaya, Nawada, Bihar.
G+2, Residential Building, Koderma, Jharkhand.
G+ 3 Commercial complex, Jhumri Telaiya, koderma, Jharkhand
4. Worked as Project Engineer in Vaastu Vihar, Dhanbad for Three Months.

Role and Responsibilities:

- i) Research work and testing Engineering Properties of materials developed.
- ii) Development of curriculum in NCERT syllabus with development of vocational study text book on Mason and Plumber.
- iii) Training to Engineers & Teachers of Govt. Organization like CPWD, RIE, Teaching, Mentoring
- iv) Carried out load and structure calculations, investigated beam and foundation strength.
- v) Took constant preventive measures in accordance with meticulous analyses of given design.
- vi) Used state-of-art simulation and design software.

Professional Memberships:

- Associate Member **INSTITUTION OF ENGINEER'S (INDIA), (Reg. No. AM1746793)**
- Associate Member **ASSOCIATION OF CONSULTING CIVIL ENGINEER'S (INDIA) (Reg. No. 4549A)**
- Member of **AMERICAN CONCRETE INSTITUTE(ACI MEMBER NUMBER 1447192)**
- Associate Member **INDIAN ASSOCIATION OF STRUCTURAL ENGINEER'S (INDIA). (Reg. No. AM-241)**
- Student member **THE INSTITUTION OF STRUCTURAL ENGINEERS,**
- (Membership No.088402962)

Publications:

- Author of Text book On **“Transportation Engineering”** by Ardent Publication
- Published Book on Plumber and Mason for Class IX, X, XI, XII in Vocational Education at NCERT.
- Published Research paper in **“International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Scopus indexed.**
- Published Research Paper in **International Conference** held at Career College, Bhopal on the topic of **Characterization of thermal power plant coal combustion residues** also published in **International journal of recent trends in science and technology.**
- Published Research Paper in **Indian Journal of Vocational Education** on the topic of **“A case Study on Skilled Labour shortage and its mitigation measures in India's Construction sector”.**

- Published Research Paper in International Journal of Research and Technology and in National Conference (AGICM) Held at Bhopal.
- Published Research Paper in International Journal of Structural and Civil Engineering Research.
- Published Research Paper IJLTEMAS, IJTRD (UGC APPROVED), IRJET.

Achievements:

- **Played National & State level Cricket.**
- **Qualified for Sub-Engineer exam in M.P Govt. 2015**
- **Merit Holder CII-Sistech Guru Award.**
- **Won 2nd prize in structural design held at J.N.C.T TECHNICAL FESTIVAL.**
- **Organised National conference at Bangaluru, Karnataka with IWST & IPRITI.**
- **Qualified JPSC Pre Civil Services Examination.**
- **Selected for Manager (Technical) Smart city Bhopal.**

Refresher Courses:

Attended Refresher courseon:

- **Disaster Management**
- **Geo-technical Engineering**
- Workshop on **Road safety and crime free India** held at UIT, RGPV under TEQIP
- Attended Faculty Development Programme on “**Research Methodology for innovative Research in Engineering & Applied science**” held at T.I.T Group of Institution, Bhopal
- One day workshop on “**vigilance & Tendering Processes**” held at CSIR-AMPRI.
- Attended Faculty Development Programme on “**Research Trends & Teaching Practices In Civil Engineering**” Under **TEQIP-III** held at LNCTS, Bhopal

Training & Project work:

1. Training completed on Construction of L.N.J.P Engineering College, (Bihar)
2. Training on R.O.B (ROAD OVER BRIDGE).UNDER SIMPLEX PROJECTS LIMITED. (W.B) Including the Design of Plate Girder, Mix Design of Concrete. Casting of Deck Slab, Pile Foundation, etc...
3. COMPLETED THESIS ON RE-STRENGTHENING OF EXISTING STRUCTURES USING STEEL JACKETING TECHNIQUE.
4. WATER MANAGEMENT OF HALALI DAM, VIDISHA. (M.P).

Technical Skills:

- STAAD-Pro
- E-Tab
- Auto Cad
- 3-D MAX
- Microsoft Office
- SAFE
- Developed Designed Excel Sheet for Practitioner on Various Civil Engineering subjects.

Personal Attributes:

- Accuracy and attention to details.
- Good problem solving and analytical skills.
- Ability to work round the clock.

Declaration:

I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Date: 28/12/ 2019

Place: Bhopal



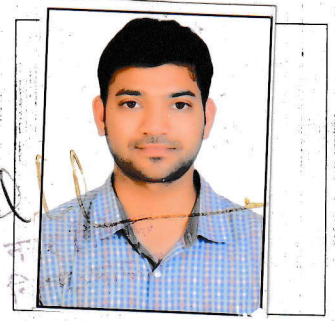
Signature

Bhopal Municipal Corporation
(Building Permission Department)

No: 360

Bhopal Date: 17/4/2018

License Issued Under Rule 26(1) of Madhya Pradesh Bhumi Vikas
Rules, 2012 to Work as Structural Engineer



[Handwritten signature]
मुख्य नगर निवेशक

License No. STE 265 / 2018

Date of Issue: 17.04.2018

This License is Issued to Shri/Mrs./Miss AVINASH KUMAR SINGH So/Wo/Do/Shri
BIJAY KUMAR SINGH Address 3/38, C INDRAPURI, BHEL, BHOPAL to
perform duties of **Structural Engineer** as laid down in **M.P. Bhumi Vikas Rules 1984** within the
jurisdiction of **Municipal Corporation, Bhopal**

This License will expire on 18-19 2021
Rs. 1500 vide as Receipt No. 0002359

This License has paid the fees
Book No. .

Date 16.04.2018

This License is subject to conditions set forth here under.

[Handwritten signature]
मुख्य नगर निवेशक
City Planner
Municipal Corporation
Bhopal

Place: Bhopal

Date: 17.04.2018

CONDITIONS

1. The License is Non-transferable.
2. The License shall display the original copy of the license on a conspicuous place in his/their office and it shall be subject to inspection by the authorized officers of Municipal Corporation Bhopal at all reasonable times.
3. The License shall be renewed prior to the date of its expiry.
4. The license shall abide by the provisions of the Madhya Pradesh Bhumi Vikas Rules 2012, and work strictly within the terms of this license.
5. The competence of the License shall be restricted as here under:
(B) **Structural Engineer**- The licensed architect shall be competent to carry out the work related to building permission as given below and shall be entitled to submit:
 - a. All plans and information connected with building permit irrespective of size and height.
 - b. Structural details and calculations for all building.
 - c. Certificate of Supervision and Completion of all building.
 - d. All plans and related information connected with the development permit of area upto one hectare
 - e. Certificate of supervision of development of land of area upto one hectare.
6. The Licensee shall maintain the record of all records regarding submission of plans/supervision etc and produce before the authorized officer as and when required.
7. The Licensee shall put up his signature, name and license number on each document prepared and submitted to the authority having jurisdiction.
8. The License is subject to the conditions set forth in the Madhya Pradesh Bhumi Vikas Rules 2012 and any breach of these conditions will entail cancellation of the license without prejudice of any other legal action against the licensee under any law for the time being force.

कार्यालय नगर पालिका प्रशासन सीहोर ,जिला -सीहोर (म.प्र.)

क्रमांक / 2031 / लो.नि.शा / 2021
प्रति,

सीहोर दिनांक 25/05/21

श्री अविनाश सिंह
स्ट्रक्चर इंजीनियर
BMC.REG.STE 265/2018


विषय- वार्ड क्रं.(7) में मुरली में वाक्स कलवर्ट पुलिया निर्माण कार्य की स्ट्रक्चरल डिजाईन के संबंध में।

संदर्भ- संभागीय कार्यालय म.प्र. एवं विकास, भोपाल संभाग भोपाल के पत्र क्रं. 97 दिनांक 17/08/2020।

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उपरोक्त विषय एवं संदर्भित पत्र के तारतम्य निकाय द्वारा वार्ड क्रं. 7 में कलवर्ट पुलिया निर्माण कार्य कराया जाना प्रस्तावित है। कार्य की तकनीकी स्वीकृति संभागीय कार्यालय से प्राप्त हो चुकी है। कार्य कराये जाने हेतु स्ट्रक्चरल डिजाईन कराया जाना आवश्यक है।

कृपया कार्य की तकनीकी स्वीकृति अनुसार स्ट्रक्चरल डिजाईन करने का कष्ट करें।


मुख्य नगर पालिका अधिकारी
नगर पालिका प्रशासन सीहोर
सीहोर दिनांक 25/05/21

पृ.क्रमांक / 2032 / लो.नि.शा / 2021
प्रतिलिपि:-

- (1) कार्यपालन यंत्री न.प्र. एवं विकास भोपाल संभाग भोपाल की ओर सूचनार्थ।
- (2) श्री मे0 देगलोर एल्यु मिनियम प्रो0श्री विकास राय होशंगाबाद की ओर लेख है कि कार्य की स्ट्रक्चर डिजाईन संबंधित स्ट्रक्चर इंजीनियर से कराकर कार्यालय में आवश्यक रूप से प्रस्तुत करने हेतु सूचनार्थ।


मुख्य नगर पालिका अधिकारी
नगर पालिका प्रशासन सीहोर