**Curriculum Vitae**



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| **1** | **Name of Firm** | **Aarvee associates architects’ engineers & consultant pvt.ltd** |
| **2** | **Name of Staff** | Sirbendu Rakshit. Email Id: -sirbendujisr87@gmail.com |
| **3** | **Date of Birth** | 12/07/1989. Phone No: -9824726463,8918027295 |
| **4** | **Nationality** | Indian |
| **5** | **Education** | * B. Tech. (Electrical Engineering), West Bengal University of Technology (WBUT), 2010 |
| **6** | **Training & Publications** | Vocational training from WBSEDCL about 132 kv substation dated on 13th October,2008 to 25th ,2008, Durgapur Steel Plant dated on 29th September,2008 to 10th October,2008 & also six weeks training from DVC (Damodar Valley Corporation).  **Holder of Electrical License Part No: -1,2,11** |
| **7** | **Countries of Work Experience** | India |

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| **8** | **Employment record** | **Name of organization** | **Position held** | **Duration** |
| Aarvee associates architects’ engineers & consultant pvt.ltd | Senior Electrical Engineer | Sep 2020 -Till date |
| Simplex Infrastructures Ltd | Project Engineer. | June 2017 – Sep 2020 |
| Parikh Electrical Corporation Pvt. Ltd | Project Engineer. | Jan. 2016 - May 2017 |
| Chokshi Electrical Co. Pvt. Ltd. | Project Engineer. | April 2015 - Jan. 2016 |
| Pigmy Electricals Pvt. Ltd. | Electrical Engineer | June 2013 - Jan. 2015 |
| EMC.LTD | Electrical Engineer | Nov. 2010 - March 2013 |

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| **9** | **Work Undertaken that Best Illustrates Capability to Assigned Handle the Tasks Assigned** |
| **Name of assignment or project: -Gauge Conversion of Katosan Road to Becharaji(26.6 KM) Meter Gauge to Broad Gauge along with New MSIL BG Siding(Approx-3 KM) at Becharaji with 25 KV AC electrification in Ahmedabad Division of Western Railway.**  **Year:** Sep 2020 - Till date  **Location:** Gandhinagar, Gujarat.  **Client: Gujrat Rail industrial Development Corporation LTD (GRIDE)**  **Main project features:** Two no’s of B Class (Katosan Road ,Becharji) station & Three no’s of D Class (Dhanpura, Rantej, Dethli) Station building works, Type(ii)-12 Nos ,Type (iii)-12 Nos, Type (iv) -8 Nos quarters General electrical works, Electrical substation building (Panel room ,DG room, TRD room-1,TRD room-2,Staff with store room ,Toilets) works at Becharji station, Electrification of four no’s LC Gate including 5 KVA auxiliary transformer, Erection ,Commissioning ,Testing of Bore well submersible pump(B Class-15 HP,D Class-5 HP,LC Gate 5 HP),10 HP Sump, 4 no’s of Water Cooler installation,11 KV HT power line crossing 15 Nos, EHT (66 KV) power line crossing 02 Nos, CLS Panel erection ,commissioning, testing ,S&T Building works, LT Panel(2x250 A MCCB I/C&O/G 6x125 A 4 pole MCCB,2x63 4 Pole MCCB,10x20 A DP MCB) with IS 3043 Earthing system including 160 KVA DG set Erection, commissioning testing ,Erection, Commissioning& testing of octagonal pole(5 mtr) & illumination works at cover shed ,uncover shed area, Four no’s of High mast including 160 watt led light including station name board, signage Board erection, commissioning & testing.  Total TKM comes around 36.5 electrification to be done on new BG line Katosan Road to Becharji including 2.7 KM MSIL siding, OHE foundation, mast erection, wiring & OHE equipment adjustment to the extent possible ,PTFE neutral section, Erection ,Commissioning & testing of one no’s of SSP(Sub sectioning & Parallel post),2 no’s of (Becharji Stn, Becharji SSP) 10 KVA Auxiliary transformer installation, 2 no’s of (LC gates) 5 KVA Auxiliary transformer installation, Erection ,Commissioning & testing of Supervisory control & data acquisition system(SCADA).  **Positions held:** Senior Electrical Engineer  **Activities performed:** Responsible for   1. Commissioning, testing of Main electrical Distribution Board (MEDB), Lighting distribution board (LDB), Different size of LT & HT Cable Laying, 160 KVA Generator with AMF Panel (AUTOMATED MAINS FAILURE PANEL). Illumination Work (one way, two way connection), Different size of Panel erection (Lighting, HT, LT), commissioning, installation, testing &Different Ear thing works like plate type, pipe type, coil type, Street light octagonal pole (5 mtr.) erection ,commissioning, testing, Cable jointing, Cable laying, 11 kV HT power line crossing , Cable Laying (HV & LV), Control cable Laying, Battery & battery charger panel with DCDB, Ac, ups with ACDB, Commissioning, testing of CLS(Color light signaling) panel, Commissioning ,testing of 11 KV/433 Volt Double pole structure including AB switch ,handle, lighting arrester ,step down transformer, HG(Horn Gap)/DO(Drop out) fuse, Commissioning & testing of Earthing as per IS 3043. 2. Making a calculation of track crossing details of above 11 KV to up to 400 KV & also follows clearance between lowest traction conductor to highest transmission line conductor as per references of ACS (Addendum & Corrigendum Slip) 20 & High rise OHE ACS 21. 3. Making an estimate of General Electrical works of different Railway Projects as per RVNL format with compare with Western Railway Rate. 4. Site supervision, coordination with Contractor & PMC, Bill & Drawing checking, materials inspection as per standard IS. 5. Erection & Commissioning, testing of 4 no’s High mast Tower, Earthing; Cable Laying & Cable Termination. 3cx185 sq. mm (11 KV) Cable terminated by straight through, end termination. 6. OHE activities i.e. Foundation, Mast Erection, Grouting, Bracket erection, wiring, adjustment, SED checking, & etc., Study of LOP and making review of LOP as per site and then implantation for reaction, Work planning and Staff Management for execution, Billing of Work done by supervisors and checking of contractor bill, Checking MRC of the Supplies materials,   Testing and recording the details of insulator, cube mold of foundation, Good knowledge of Materials & Construction details.  Ensure the quality and safety aspects in execution. | |
| **Name of assignment or project: -Gujrat Metro Rail Projects.**  **Year:** June 2017 - Till date  **Location:** Ahmedabad, Gujarat  **Client: Gujrat Metro Railway Corporation.**  **Main project features:** Elevated Metro Stations (Six Nos) viz Paldi, Gandhigram, Oldhigh Court, Ushmanpura,Vijoynagar,Vadaj & also under pass at Paldi Station,Package 2 North-South Corridor for Ahmedabad Metro Rail Projects Phase-1.  **Positions held:** Project Engineer  **Activities performed:** Responsible for  HVAC, Chiller plant erection, Commissioning, testing, 500 KVA, 11KV/.433 KV, Dyn11, octc, z=4%. Distribution transformer, Main electrical Distribution Board (MEDB), Lighting distribution board (LDB), Different size of LT & HT Cable Laying, 320 KVA GENERATOR WITH AMF PANEL (AUTOMATED MAINS FAILURE PANEL). 30 TON, 40 TON, 80 TON Gantry crane different size of cable laying, Panel erection (Main, long travelling, cross travelling, hoisting motion), erection, commissioning, testing. Batching plant (Mac 30, 60, 45) panel wiring, load cell, different hp motor testing, commissioning. Rectifier, transformer type welding machine repair & maintenance. Bar cutting & bar bending machine repair & maintenance. Street light pole erection, commissioning & testing. | |
| **Name of assignment or project:** **Epmc Services for Institute for Plasma Research at Gandhinagar Project.**  **Year:** Jan. 2016 - May 2017  **Location:** Gandhinagar, Gujarat  **Client:** IPR (Institute for Plasma Research)  **Main project features:** Auxiliary & Lab building, Tunnel work, Pump house, Chiller Plant also including Illumination, Cable laying, Light fixtures fixing, Transformer installation, HVAC, Firefighting works.  **Positions held:** Project Engineer  **Activities performed:** Responsible for  Illumination Work (one way, two way connection), Different Bay lighting, Different size of HT & LT cable laying, Different size of Panel erection (Lighting, HT, LT), commissioning, installation, testing &Different Ear thing like plate type, pipe type, coil type, Street light pole (3 mtr,9 mtr,4.5 mtr.) erection ,commissioning, testing, Cable jointing, Cable laying, HVAC, Firefighting works. | |
| **Name of assignment or project:** **Epmc Services for Udaipur, Rajashtan Monsanto Breeding Station Project**  **Year:** Jan. 2016 - May 2017  **Location:** Rajashtan, Udaipur site  **Client:** Monsanto India Ltd  **Main project features:** 11kv/415-volt substation including Adm inbuilding, Pump house, factory.  **Positions held:** Project Engineer  **Activities performed:** Responsible for  Illumination, cable laying, HVAC works, Chiller plant, Pump House Erection, Commissioning, Testing, Lighting Distribution board erection, Commissioning, Installation, Testing & Ear thing; 315 KVA, 11KV/.433 KV, Dyn11, octc, z=4%. Distribution transformer, Main electrical Distribution Board (MEDB), Lighting distribution board (LDB), GI Cable Tray works (300, 600, 700 mm), Cable Laying (HV & LV), Control cable Laying, Battery & battery charger panel with DCDB, Ac ups with ACDB ,320 Kva Generator with amf Panel (Automated Mains Failure Panel). Double Pole structure erection, Commissioning & testing. | |
| **Name of assignment or project:** EPMC **Services for Uran-Chakan-Shikrapur LPG Pipeline Project**  **Year:** April 2015 - Jan. 2016  **Location:** Navi Mumbai Uran site  **Client:** HPCL (Hindustan Petroleum Corporation LTD)  **Main project features:** 22 kv/415-volt substation projects including 1600 kva transformer, Lighting transformer, different size of Panel, Cable laying, Pump house, Tray work, Earthing works etc.  **Positions held:** Project Engineer  **Activities performed:** Responsible for  Illumination, Cable laying, Panel erection, Commissioning, installation, Testing & Ear thing; Dry type 400KVA, 6.6/.433 KV, Dyn11, octc, z=4%. Distribution transformer, NGR (Neutral grounding Resistor) Main electrical Distribution Board (MEDB), Lighting distribution board (LDB), 22 KV ,6.6 kv Switch gear panel, GI Cable Tray works (300, 600, 700 mm), Cable Laying (HV & LV), Control cable Laying, Battery & battery charger panel with DCDB, Ac ups with ACDB. | |
| **Name of assignment or project:** **25 kv railway electrification system & centrifuging transformers of the railway electrification projects.**  **Year:** June 2013 - Jan. 2015  **Location:** Bankura, West Bengal  **Client:** WBSEDCL (West Bengal State Electricity Corporation Ltd)  **Main project features:** Different size of transformer erection, commissioning, testing, Cable laying etc  **Positions held:** Electrical Engineer  **Activities performed:** Responsible for  Repair of damaged/defective distribution Transformers of 10/16/25/63/100/250/300/315/500/750 kva with voltage class 11-6.6/60-.433 kV &33/0.433 kV.  Repair of Auxiliary transformers, potential Transformers etc used for 25 kv railway electrification system & centrifuging transformers of the railway electrification projects. | |
| **Name of assignment or project:** **Successful Erection & Commissioning of 33/6.6 kV, 16/20,25/31.5 MVA Sub – Station**  **Year:** Nov. 2010 - March 2013  **Location:** Burnpur, West Bengal  **Client:** ISP (IISCO STEEL PLANT)  **Main project features:** 33kv/6.6kv/415-volt Substation Works, Illumination, Earthing, Light fixture fixing, Tunnel works.  **Positions held:** Electrical Engineer  **Activities performed:** Responsible for Erection & Commissioning of 33/6.6 kV 16/20,25/31.5 MVA Transformer, Vaccum Circuit Breaker, CT & PT, Isolator with & without Earth Switch, Insulator, LA, 6.6 kV Outgoing Panel for power distribution, Relay & Control Panel, Station Transformer, LT panel, Battery Charger for 220 Volt D.C Power, Light Mast Tower for illumination in Switch yard, Earthing of electrical equipment’s, DG for alternative source for power supply. | |
| **Name of assignment or project:** **Illumination & Ear thing at BOF & CCP area at IISCO Burnpur site.**  **Year:** Nov. 2010 - March 2013  **Location:** Burnpur West Bengal  **Client: -**ISP (IISCO STEEL PLANT)  **Main project features:** Illumination, Earthing, different size of distribution board erection, commissioning, testing.  **Positions held:** Electrical Engineer  **Activities performed:** Responsible for  Erection & Commissioning of 415/415 volt,350 KVA Dry type lighting transformers, MLDB, ELDB, SLDB, SELDB, PDB-1, PDB-2 & 20A Group control switch board. Power coming from other agencies feeder to lighting transformers (through various type of cables). Power distribute to MLDB, ELDB & again distribute to SLDB, SELDB. Supply to 20A group control switch board. | |
| **Name of assignment or project:** **Erection & Commissioning of 30 No’s Light Mast Tower**  **Year:** Nov. 2010 - March 2013  **Location:** Burnpur West Bengal  **Client:** ISP (IISCO STEEL PLANT)  **Main project features:** High mast tower including feeder pillar, Earthing works  **Positions held:** Electrical Engineer  **Activities performed:** Responsible for  Erection & Commissioning of 30 no’s Light mast Tower, Earthing; Cable Laying & Cable Termination: - 3cx300 sq mm (33 kv,11 kv,6.6 kv), 3cx185 sq mm (6.6 kv). Cable terminated by straight through, end termination.  Expertise in planning, executing and leading projects including contract & site administration and resource planning in compliance to quality standards & time.  Possess sound knowledge of electrical & electronic engineering aspects.  Deft in swiftly raping up projects.  Excellent relationship management, analytical and negotiation skills. | |

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| 10 | **Total no. of years’ experience** | **Total no. of Years in Consultancy (PMC) Services**: 1.00 Years |
| **Total no. of Years in services other than Consultancy Service**: 9.5 Years |
| **Total Experience**: 10.5 Years |
| **Signature \_\_\_\_\_Sirbendu Rakshit** | | |
| Date: 15/04/2021 | | |
| Name: Sirbendu Rakshit | | |