**Dipaysh**

**ProjectManagement|DesignEngineering|WaterTreatmentPlant** *Versatile,high-energyprofessionalwithasuccessfulbackgroundinsettinga directionfordesignofWater,Sewage&EffluentTreatmentPlants*

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ProfileSummary

Offeringaround14yearsofexperiencein**Project/Plant Management, Operation&DesignofWater,Sewage& Effluent TreatmentPlant**,ProcessEnhancementand**TeamManagement**;hands-on experienceinindustrialeffluent treatment solutionsacross**SeaPort,Hospitals,Textiles, Pharmaceutical Plants&Food**industryandforMunicipal asinDrinkingWaterorSewagetreatment

Excellencein managingthe **fulllifecycleof aproject**andensurestheprojectiscompleted**successfullyfrom beginning toend**(initiation,planninganddesigning,execution,monitoring andcontrolling, andcompletionofthe project),aligningwithbusinessstrategy,goalsandvision

Strongknowledge withthe**concepts ofdifferentSystems**likeinReverse Osmosis,(SeaWaterdesalination, Brackish Water)Ultrafiltration Membrane Bioreactors(FlatSheets&HollowFibers);possessinsightfulknowledge of**design, evaluation&operationofCETPs,STPsandETPs**

Proficient in**designing&executingNewDesign**,(workedonHollowFiberDesignsafirstatACWAEmirates), and **usingnon-conventionaltechnology**likeanaerobic systemupto25000m3/dayplantfor**AsiaLargest CETP**atVapi Gujarat;successfullycoordinated**India'sLargest STPproject**inUP,capacity345,000m3/dayusingUASBtechnology ExternalMBRforspecializedhospitalinKSA;afirstinGCCregion

Provencapabilitytonetworkwith**clients,vendors,andotherutilityagencies**withconsummateease;led**teamsof**

**50-100personnel**includingcontractors&projectteamsforsuccessfulexecution

Enhancedperformanceof**water plants,optimizingresourceutilization** aswellasincreasedoperationalefficiencies andoffering**costeffectivesolutions**totheorganization

Areas ofExpertise

Education

DesignofSewage

TreatmentPlant

Effluent&Water

Treatment

ProjectManagement

Execution&Testing

Post GraduateDiploma in Piping Engineering, Elixir Institute of Piping

Engineering&Technology,Thane(Year)

PostGraduateDiplomainPersonnelManagement,KC College,Mumbai,(2002)

Bachelor’sDegreeinEngineering–Chemical,MumbaiUniversity,(2001)

CareerTimeline

QualityManagement

Operation&Maintenance

SafetyPrinciples&Practices

TeamManagement

Certification

**Certified EnergyAuditor**from Bureau ofEnergyEfficiency, MinistryofPower,GOI(2007)

**2004-2004**

**PrabhuEnvirotec Pvt.Ltd.as TraineeEngineer**

**2009-2012**

**SuidoKikoMiddle EastasSr. Engineer/Project Engineer/Asst. Engineering Manager**

**Hydroair Tectonics(PCD) Ltd.asProject Engineer**

**2004-2009**

WorkExperience

**Nov'12-todate ACWAEmiratesLLC,DubaiUAEasSr.DesignEngineer/Sr.ProjectEngineer**

**SignificantHighlights**

Designed packagesforSaudiAramco monitored KAUST UniversityProject including30%design,50%design,70%design&90%designmilestones for designanddatasheetsduringDesign&Installationof5000cmd ofMBRPlant, withaveryleanstaffofonemech.draftsman,electricalengineerandPM

o Assistedintheprocurementof2VOsequivalentto30%oftheoriginal costwithanotherbidfor15%variation order,initiating costsavingsof USD400,000

Collaboratedwiththeexternaldesignertoproviderequiredresources, inthe

**Successfullyexecuteda**

**projectfor1000 x2 Nos of**

**MobileSTP (Hollow Fiber)**

**Successfullycommissioned oneplant withsewageand commencedirrigationof theNewSeaport withTSE**

absenceofin-housecivildesign/structural &architecturalengineers;leda teamof01numbers) CivilDesignEngineer &3ProjectIn-house Teamand subcontractorfor successful execution of Design and Build of 12000 cmd SewageTreatmentUnitusingFlatsheetMBR

Successfullyledandexecutedaproject for1000x2NosofMobileSTP(Hollow Fiber)fromproject initialization,vendorselection,installation, commissioning till hand-overforAshghalin6 months;ensuredcompliancetoQCS/KARHAMA; workedwithHollowfiber,afirstintheorganization

Worked in the capacity ofSenior Project Site Engineer tomanage 2 conventional STPsatNewDOHASeaPortunderAECOMasPMC,while complyingtoKARHAMA&QCS2010 (afirstfortheorganization)

Successfullyhelpedfrombackofficetocommission12000cmdMBRplantin

KSAforprisonproject

**Apr'09-Nov'12SuidoKikoMiddleEast,Jeddah,KSA**

GrowthPath

Oct'10-Nov'12:SeniorEngineer/Asst.EngineeringManager

Apr'09-Oct'10:ProjectEngineer

**SignificantHighlights**

Drove stringent quality management, developed &enforced policies, processes,controlsandbestpracticestoachievecompliance

Increasedefficiencylevelby majorpercentageandoptimizedresourcesby

implementingrobustprocedures

Pivotalin thecompletionof containerizedplantfor 500m3/daysea water reverseosmosis

**Led*recycle projectforfood factory,reducing waste by***

***90%; projectwon “Industrial Water Sustainability Award”***

Single handedlyobtained approvals for 75% Civil/Mechanical Units from

Consultants for50,000m3/day plantfordiversifiedeffluent,afirstforthe organization

Led successfulcompletionofDesign/ROMs/BOQfor 90% Piping,90% Fittings,

80%Installation Drawingsand100%Approvalsfor50,000m3/dwithina periodofoneyear

Steeredcontinuouseffortsandrecognizedforthenoteworthycontribution

madeinacquiringthetenderfor8000cm/dplantforhospital wastewater plant,usingexternalMBRinKSAafirstinGCCregionaswellastenderfor

55000m3/daybrackishwaterreverseosmosisplant

Successful in getting approved in various organizations as Registered &Approved VendorslikeSABIC,whichwereafailureinpreviousattemptsprior tothis

Successfully completed100%recycleprojectforfoodfactorywithin1.2years reducingwasteby90%;theprojectalsowon“Industrial WaterSustainability AwardatGlobalWaterIntelligenceAwardsin2013

**Dec'04-Apr'09 HydroairTectonics(PCD)Ltd.,CBD,NaviMumbai**

GrowthPath

Dec'04-Jul'05:ProjectEngineer-Trainee

Jul'05-Apr'09:ProjectEngineer

**SignificantHighlights**

AccomplishedtheSewageTreatmentPlantProjectinclosecoordinationwith

MWHConsultant,Mumbai,withinatimespanofjust10 months

Recognized for successfully installing, &integrating new system of UASB, backwash filter, high rate clarifier &CACCO system in Asia’s largest DiversifiedEffluentPlant,withcapacity55000m3/dwithinatwoyearperiod Executed3BOOTProjectsfortheGovernmentinPuneregionwithcapacityof

1,1.5&4MLD

***Successfullycoordinated India'sLargest STPproject inUP,capacity***

***345,000m3/day using UASBtechnology Include Vapi projectalso***

Ledthecommissioningof 500m3/dayUASBPlantat MotherDairy,Alwar, RajasthanasCommissioningEngineer

ManagedsuccessfulcompletionofaTextilePlantinIchalkaranjiCETPswith

capacityof2.10,15 MLD

Activelyparticipatedinthetenderbidding,preparedtenderdocumentsas well as initiated and completed design &set up of pilot plant for VapiWaste EffluentManagementCo.Ltd.NowVapiGreenEnviroLtd.

Playedakeyroleintheimplementationofdesignandsetup&studyingof pilotplantforPharmaceuticalmajorLupininAnkaleshwar

**Jun'04-Dec'04 PrabhuEnvirotecPvt.Ltd.,MumbaiasTraineeEngineer**

**SignificantHighlights**

LedSTPOperationsinInorbitMallinMindspaceAndheri

Drove Operationand Maintenance of STP plants in Renaissance Hotel, ResidenceHotel,inPowaiNABARDinBandraKurlacomplex,Mumbai

Managed Installationand commissioning of small STP (Sewage Treatment

Plant) in SBIheadquarters,MSEB headquartersin BandraKurlaComplex, Mumbai

Trainings PipingDesign

ProductReviewSessionsofVariousPumpManufacturers

IT Skills MSOffice(Word,Excel,PowerPoint),MSProject,&basicsofPrimavera

PersonalDetails **DateofBirth:**1stFebruary1979

**Nationality:I**ndian

**LanguageSkills:**English,Hindi,Marathi,andGujarati

Annexure

**Organization:ACWAEmiratesLLC,DubaiUAE**

**Project:**Commissioningof12000cmdofMBR(FlatSheet)PlantinKSA

**Role:**

End-to-endexecutionfromotherstartupof12000cmdMunicipalSewagePlantnearJeddahandhandedoverofthe planttotheclient

**Project:**Design&Installationof5000cmdofMBRPlantcomplyingtoSaudiAramcosupervisedKAUSTUniversityin

Jeddahfromoffice

**Role:**

Executedtheimplementationof5000cmdSTP(FlatSheet MBR)withAramcoSpecswithstages fromMS,RP,PO,NMR

601,NMR602,NMR603,andSPDPforMaterialsubmittal

Managedtheprojectwithaveryleanstaffofonemech.draftsman,electricalengineerandPM

Helpedinprocuring2VOsequivalentto30%oftheoriginalcostwithanotherbidfor15%variationorder

**Project:**DesignandBuildof12000cmdSewageTreatmentUnitincludingthecivilworks

**Role:**

Coordinated withtheexternaldesignertooutsourcecivildesign/structural&Architecturalengineer andgetapproval fromtheconsultant

Selectedtheprocessequipment,HVACsystemandotherancillariesincludingfencingfortheproject

Determinedelectromechanicalscopeforinstallationwiththesubcontractor

**Project:**Managementof1000x2NosofcontainerizedMBRunitsforAshghalin6monthsincludingcommissioningand handingovertheplanttoclient

**Role:**

CompliedtoQCS/KARHAMA

Managedoveralloperationsincludingdocumentation,commissioning&successfulhandingover

**Project:**2 ConventionalSTPsatNewDOHASeaPortunderAECOMasPMC

**Role:**

Designedfewcriticalpackages,installation&commissioningofthe2conventionalSTPsat newPort

Documentationincludedtheapprovalofmaterialsasreceived,installationandmethodstatementsforinstallation, testing,commissioning,sparepartslist,FATproceduresandapprovals

PerformedWettests,SATapprovals,Asbuiltdrawingandsoon

CoordinatedwithvariousgovernmentbodiesandconsultanttogettheCTOpermission

**Organization:SuidoKikoMiddleEast,Jeddah, KSA**

**Client:**FoodFactoryinJeddah(LUNAbrand)

**ProcessUsed:**DAF,Oil Separator,Aeration,MBR,tertiarylikeSandFilterandRO

**Role:**

Designed&preparedplant layoutwith 1500m3/dayplant capacity,GAfor variousunits andimplementeddrawingsat site

ManagedvariousagenciesandcoordinatedwithCivil,Mechanical,Electrical,Procurement,andFinance(Billing)to

completetheproject

**Client:**EffluenttreatmentPlant(NWC-6)

**Role:**

Designed&preparedplantlayoutwith50000m3/daycapacity,GAforvariousunitsandsoughtboththedrawings&

materialapprovalfromconsultant

ManagedvariousagenciesandcoordinatedwithCivil,Mechanical,Electrical,andProcurementfunctions

**Organization:HydroairTectonics(PCD)Ltd.,NaviMumbai**

**Client:**GujaratExpansionProjectAsia’slargestCETP

**Description:**TheSystemcomprisedofUASB,HRSCC,AutomaticSandFilter,&CatalyticOxidationSystem

**Role:**

PreparedpipingBOQandinstalledpipesupto630mmsize

Managedvariousagencies&coordinatedwithCivil,Mechanical,Electrical,&Finance(Billing)tocompletetheproject onafasttrackwith55000m3/daycapacity

**Client:**SewageTreatmentPlant(STP)

**Role:**

Designedandinstalledpiping,confirmedwithhydraulictesting,&commissionedandhandedovertheplant150 m3/daycapacityin150days

**Client:**TertiarytreatmentforanEffluentTreatmentPlant(ETP)with50m3/daycapacity,withCAACOsystem

**Role:**

Mobilizedallthematerialsattheplant,installedCAACO,conductedhydraulictesting,&commissionedandhanded overtheplantin30 days

**Client:**CommonEffluentTreatmentPlant(CETP)Vapi-Gujarat

**Role:**

Designed&commissionedthecompletepackageofAsia’sLargestCETPforvariousequipmentwithPFDs,HFDs,P&IDs,

with24m3/daycapacity,atpilotscalewithAnaerobic systemandCAACO Technology&plantwasoperationalwithin

2 months

PreparedBOMforpiping&negotiatedwithvendorsfor materials&procuredallthe materialsfortheplant

CoordinatederectionofthePrimaryTreatmentSystem,Up-flowAnerobicSludgeBlanketReactor(UASB),CAACO System,SludgeDigester&carriedouthydraulictesting

**Client:**DairyAlwar,Rajasthan

**Role:**

CommissionedEffluentTreatmentPlantwith500m3/day capacitywithUASB system andActivatedSludgeProcess in

25days

**Client:**LupinLaboratoriesLtd.,Ankaleshwar,Gujarat

**Role:**

DesignedandinstalledtheCAACOPilotPlant,mobilizedallthematerialsattheplant,commissionedsystemand carriedhydraulictesting/trialsintheplant

**Client:**SomaTextiles,Ahmedabad

**Role:**

PreparedtheEngineeringdrawingslikePFDs,HFDs,P&IDs,GAsandimplementedplantlayoutfora3500m3/day capacityengineeringworkproject

**Organization:PrabhuEnvirotecPvt.Ltd.,Mumbai**

**Project:**

STPinInorbitMall,Mumbai150m3/dcapacity&100m3/dcapacityinMindspaceAndheri

OperationandMaintenanceofSTPplantsinRenaissanceHotel,ResidenceHotel,inPowaiNABARDinBandraKurlacomplex,Mumbai

InstallationandcommissioningofsmallSTP(SewageTreatmentPlant)inSBIheadquarters,MSEBheadquartersin

BandraKurlaComplex,Mumbai