Capital PEC Report

Project ID: 30064839

Project Name BOXBOROUGH ONCOLYTIC VIRAL VECTOR/GENE THERAPY CDMO PI

Project Type Plant Expansion

TIV (USD) 75.000.000

SIC Code 2836 Biological Products, Except

Industry Code 13 Pharmaceutical & Biotech

Diagnostic Substances

Sector Final Formulation (Oral, Solid, Parenteral, Topical, **PEC Activity Diagram**

etc.)

SIC Product 2836*0036 Aseptic Fill and Finish - Ampoules, Cartridges, Syringes, Vials

Status Active Last Update 03-Mar-2022 Initial Release 13-Nov-2020

Environmental Air (A) Water (W)

Construction Labor Preference Union, Non-Unior Operations Labor Preference Union, Non-Unior

Existing Sq. Ft. 118,000 Sq. Ft.

Square Footage Retrofitted/Renovated Sq. Ft. 75,000 Sq. Ft.

Plant Owner Vibalogics GmbH Plant Parent Recipharm AB

Plant Name Boxborough Oncolytic Viral
Vector/Gene Therapy CDMO

Plant ID 3436811

Location1414 Massachusetts AvenuePhone +1 781 239 0700City/StateBoxborough, MassachusettsZone/CountyMA*01, Middlesex

01719 U.S.A.	, ,
Project Responsibility Project Company	Project Contact
Project Director Vibalogics GmbH	Tom Hochuli
55 William Street, Suite 240	Head of Cell and Gene Therapy Operations
Wellesley, Massachusetts 02481	[Tel.] +1 781 239 0700
U.S.A.	[E-Mail] tom.hochuli@vibalogics.com
Project Executive Ampersand Capital Partners	David Anderson
55 William Street, Suite 240	General Partner
Wellesley, Massachusetts 02481	[Tel.] +1 781 239 0700
U.S.A.	[E-Mail] dqa@ampersandcapital.com
A&E DPS Engineering Limited	John Doring
959 Concord Street, #100	Senior Project Manager
Framingham, Massachusetts 01701	[Tel.] +1 774 777 5357 / [Alt.] +1 617 833 1113
U.S.A.	[E-Mail] john.doring@dpsgroupglobal.com
C/M The Cardinal Group	Michael Sullivan
120 Presidential Way, Suite 100	Director of Project Management
Woburn, Massachusetts 01801	[Tel.] +1 617 799 6987
U.S.A.	[E-Mail] msullivan@cardinalgroupusa.com

PEC® Timing E2

PEC® Activity Preliminary Engineering

Project Probability High (81-99%)

Scope Vibalogics GmbH with Ampersand Capital Partners (Vibalogics' Parent Company), DPS Engineering and the Cardinal Group performs Preliminary Engineering for Oncolytic Viral Vector/Gene Therapy CDMO Plant Expansion (Phase II). DETAILS: Within an approximately 290,000 sqft facility (Co-tenant with Arranta Bio, projects #300677872 and #300678188), as Phase II of an 118,000 sqft (total Vibalogics leased space within building)/\$150MM project, and after completion of Phase I (#300644731), renovate remainder of leased space and equip with modular equipment/production suites for the contract production of oncolytic viruses, viral vector vaccines and viral vector gene therapy products and additional fill/finish capabilities (Possible COVID-19 Fill/Finish for Janssen). REQUIRES: Building Modifications, Temperature and Humidity Controls, Fire and Security System, Modular Cleanrooms (ISO 5-8/Class 100-100,000), Voice/Data/Wireless System, Controls (PLC/DCS), Single-Use Suspension Bioreactors (Up to 2,000 Liter), Fixed-Bed Bioreactors, Aseptic Fill/Finish Equipment (Vials), Water-For-Injection Loops/System (WFI), Aseptic Capping and Sealing Equipment, Lyophilization Equipment, Glove Boxes, Laboratory Stations, Laboratory Automation, Laboratory Information Management System (LIMS), Analytical Equipment, Data Recorders, Centrifuges, Autoclaves, Compressors (Air), Clean Steam Generators, Ultrafiltration Equipment Purification Equipment, Water Purification System, Suspension Tanks, Sterile Filtration Equipment, Aseptic Packaging Equipment, Checkweighers, Bar Coding/Scanning/Labeling Equipment, Visual Inspection System, Conveyors (Belt), Conveyors (Belt), NGF Boiler, Chiller, Industrial Gas Supply and Storage, Refrigeration, Freezers, Laboratory/Hygienic Piping. ENVIRONMENTAL: (A) HEPA Filtration System, Fume Hoods; (W) Pre-Wastewater Treatment System.

Schedule Vibalogics GmbH with Ampersand Capital Partners (Vibalogics' Parent Company), DPS Engineering and The Cardinal Group continues with Preliminary Engineering through 2Q22 (Apr). Vibalogics with The Cardinal Group releases any remaining Equipment RFQs plus Subcontractor Bid Documents 1Q22 (Mar)-3Q22 (Aug). Tentative Construction Kick-Off 2Q22 (Apr). Project Completion 2Q23 (Apr). **NOTE: PHONE NUMBER FOR VIBALOGICS GOES TO AMPERSAND CAPITAL; EMAIL IS BEST FORM OF COMMUNICATION FOR TOM HOCHULI. MODULAR PROCESS SUITES ARE BEING CONSTRUCTED

Details Mar-2022 Project is in Preliminary Engineering

 Project Milestones
 AFE 202201
 Sub Bid Doc 202203
 Completion 30-Apr-2023
 Precision YEAR

 Equip RFQ 202203
 Kick-Off 202204
 Kickoff Slippage 0 Months
 Duration 13 Months

Engineering

Contracting Electrical Environmental HVAC Instrumentation Mechanical Structural General

[G/C]

 Project Key Needs
 Structural
 Control Room
 Process Equip

 Instrumentation
 Electrical
 Mechanical
 HVAC
 Storage

 Piping/Fittings
 Insulation/Coatings Environmental
 Valves

Batch Process

Material Handling

Liquid

Energy

Matter Phase

Buy Sell

Human Resource Director kaylee.strahan@vibalogics.com Yes

Solid

Seii					
Plant Standard Contacts					
Functional/Actual Title	Contact Name/E-mail	Telephone/On-site	QC Date/LinkedIn ID		
Plant Manager	Paul Rodriguez	[Phn.] +1 781 239 0700	Mar-2022		
Director of Manufacturing Operations	paul.rodriguez@vibalogics.com	Yes	aul-rodriguez-41568714		
Maintenance Manager	Mike Feeney	[Phn.] +1 781 239 0700	Mar-2022		
Director of Facilities and Maintenance	mike.feeney@vibalogics.com	Yes	mike-feeney-40985163		
Purchasing Manager	Aruna Tikaare	[Phn.] +1 781 239 0700	Mar-2022		
Supply Chain Manager	aruna.tikaare@vibalogics.com	Yes	arunartikaare		
Engineering Manager	Tim Rossini	[Phn.] +1 781 239 0700	Mar-2022		
Engineering Director	tim.rossini@vibalogics.com	Yes	tim-rossini-83575312		
Environmental Manager	Cynthia LeFave	[Phn.] +1 781 239 0700	Mar-2022		
EHS Manager	cynthia.lefave@vibalogics.com	Yes	cynthialefave		
Safety Manager	Cynthia LeFave	[Phn.] +1 781 239 0700	Mar-2022		
EHS Manager	cynthia.lefave@vibalogics.com	Yes	cynthialefave		
Utilities Manager	Mike Feeney	[Phn.] +1 781 239 0700	Mar-2022		
Director of Facilities and Maintenance	mike.feeney@vibalogics.com	Yes	mike-feeney-40985163		
Human Resource Manager	Kaylee Strahan	[Phn.] +1 781 239 0700	Mar-2022		

Historical Reports						
Project Name	Report Date	TIV	Phase			
BOXBOROUGH ONCOLYTIC VIRAL VECTOR/GENE THERAPY CDMO PLANT COVID EXP (PHASE II)	13-Nov-2020	75,000,000 USD	Project Scope (P1 - 03)			
BOXBOROUGH ONCOLYTIC VIRAL VECTOR/GENE THERAPY CDMO PLANT COVID EXP (PHASE II)	16-Nov-2020	75,000,000 USD	Project Scope (P1 - 03)			
BOXBOROUGH ONCOLYTIC VIRAL VECTOR/GENE THERAPY CDMO PLANT COVID EXP (PHASE II)	10-Mar-2021	75,000,000 USD	Detailed Design (P1 - 09)			
BOXBOROUGH ONCOLYTIC VIRAL VECTOR/GENE THERAPY CDMO PLANT COVID EXP (PHASE II)	03-Mar-2022	75,000,000 USD	Preliminary Engineering (E			
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