

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.	
a. Name & Title: Priyo Majumdar, PE; Vice-President	<ul style="list-style-type: none"> ▪ Harahan Pump to the River, Jefferson Parish, LA (Task Leader; Project Management; Hydraulics and Hydrology Engineering; Local coordination). Southeast Louisiana Urban Flood Control Project (SELA), of the COE; 700 ft long Suction canal; a 1,200 cfs pumping station; Three 9,000 ft long 84 inch diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD. Construction cost of \$200 Million. Levee-crossing of the discharge piping, and (ii) relocation of the Mississippi River levee required significant coordination with COE New Orleans District and Headquarters. ▪ Risk Management of flood control and hydraulic structures, US Army Corps of Engineers, nationwide (Task Leader; Project Management; Hydraulics and Hydrology Engineering). Multiple simultaneous risk management projects for the USACE dealing with levees and floodwalls, and software such as DAMRAE, PrecisionTree, and @RISK. Mr. Majumdar provided project coordination for these task orders. ▪ Jefferson Lakefront Floodwalls and Structures, Jefferson Parish, LA (Project Management; Hydraulics and Hydrology Engineering; Coastal Engineering; Local coordination). The project involved analysis of alternate alignments and optimization for a floodwall under interstate I-10 in Kenner, LA. Parameters to be evaluated in this study included: (i) impacts of any additional loading on the existing I-10 bridge span above the floodwall, (ii) uplift and need for bridge span tie downs, (iii) wave loading on the new wall and need for breakwater, (iv) traffic study, (v) pile tests, (vi) right of way drawings, and (vii) coordination with other agencies. ▪ Periodic Inspection of East and West Bank HSDRRS Levee Systems (St. Charles/Jefferson/Orleans Metro Polder, New Orleans East Polder, St. Bernard Polder, Belle Chasse Polder, Westwego/Harvey/Algiers Polder), LA (Project Management; Local Coordination). Provided coordination and report writing for the inspection of two levee systems – (i) HSDRRS East Bank, LA system which is 129.6 miles long, including 99.8 levee miles, 67.6 floodwall miles, 65 pump stations, 21 drainage structures (channel floodgates, water control structures and locks), and 152 closure structures (roads, railroads, industrial, and pedestrian), and (ii) HSDRRS West Bank, LA system which is 64.3 miles long, including 56.0 levee miles, 14.1 floodwall miles, 31 pump stations, 10 drainage structures (channel floodgates, water control structures and locks), and 73 closure structures (roads, railroads, industrial, and pedestrian); significant coordination with local levee districts and COE.
b. Project Assignment: Environmental Engineer	
c. Name of Firm with which associated: MSMM Engineering, LLC	
d. Years experience: With This Firm <u> 1 </u> With Other Firms <u> 19 </u>	
e. Education: Degree(s)/Year/ Specialization M.S., 1996, Civil Engineering, Tulane University B.S., 1991, Civil Engineering, Jadavpur University	
f. Active Registration: Year First Registered/Discipline 2000, Civil and Environmental Engineering, Louisiana No. 29228	
g. Other Experience and Qualifications relevant to the proposed project:	
<ul style="list-style-type: none"> ▪ Grand Isle State Park Breakwater Improvements, Grand Isle, LA for LA Facility Planning and Control (Project Management; Hydraulics and Hydrology Engineering; Coastal Engineering; Local coordination). Mr. Majumdar provided project engineering on this erosion control project. ▪ Shoreline Restoration (Grand Isle), and Shoreline Breach Restoration (Elmer’s Island), Jefferson Parish, LA (Project Management; Hydraulics and Hydrology Engineering; Coastal Engineering; Local coordination). Studying shoreline erosion in the only inhabited barrier island in Louisiana. ▪ Periodic Levee Inspections – (i) St. Charles, Jefferson and Orleans Levee System; and (ii) West of Atchafalaya Basin and Simmesport Ring Levee Systems (Project Management; Local coordination). Project included 28 miles of earthen levee and 7 miles of concrete floodwalls, the exercising 60 drainage valves and the exercising of 70 floodgate closure structures in one system, and approximately 80 miles of earthen levee and 1 drainage closure structure in the other system. Mr. Majumdar provided project planning and report writing for this project. 	