

BCPL/DIB/C&P/LE18S185MB/1890												
PROCUREMENT OF COMPLETE SAS & RAS PUMPS WITH ACCESSORIES FOR ETP OF BCPL, LEPETKATA												
SCHEDULE OF RATE - PRICED SOR												
SN	HSN no.	DESCRIPTION OF MATERIAL	QTY	UOM	UNIT RATE (RS)	P&F @ ____% (RS)	FREIGHT @ ____% on UNIT RATE (RS)	GST @ ____% on (A) + (B) + (C) (RS)	TOTAL UNIT RATE INC TAXES & DUTIES (RS)	TOTAL AMOUNT FOR ALL QUANTITIES (RS)	AMOUNT FOR ITC BENEFIT AGAINST GST (IF ANY) (RS.)	
				Y	A	B	C	D	E = (A) + (B) + (C) + (D)	X = (Y) X (E)		
1		SBR SAS PUMP & MOTOR (SUBMERSIBLE TYPE) MATERIAL CODE: 303030063 ITEM NO.: 149-P-36 A/B/C/D , CENTRIFUGAL, COMPLETELY SUBMERSIBLE TYPE NON CLOG PUMP, ASSEMBLY WITH MOTOR & CABLE, SERVICE: TRANSFERRING SURPLUS BIO-SLUDGE, PUMP WITH AUTOMATIC SINGLE GUIDE RAIL COUPLING SYSTEM, LIQUID HANDLED: BIO SLUDGE, PUMPING TEMPERATURE (DEG. C): AMBIENT, VISCOSITY AT PUMPING TEMPERATURE (CP): 1.0, LIQUID DENSITY (KG/M3): 1050, PRESENCE OF CORROSIVE/TOXIC COMPONENTS: YES, SOLIDS IN SUSPENSION: YES, SLOUGHED BIOMASS, 0.9%, SIZE OF SOLID PARTICLES (MM, MAX.): MAINLY BIO MASS, FLOW RATE: NORMAL(M3/HR.)- 18, MAX(M3/HR) – 18,MIN(M3/HR)- 8 , SUCTION PRESSURE (KG/ CM2.A): FLOODED SUCTION, DISCHARGE PRESSURE (KG/ CM2. A): 3.0, DESIGN PRESSURE (KG/ CM2. A): 5.5, DIFFERENTIAL PRESSURE (KG/ CM2. G): 2.0, DIFFERENTIAL HEAD (M): 20, NPSH AVAILABLE (M, MIN.): FLOODED SUCTION, DESIGN TEMPERATURE (DEG. C): 65 DEG C, MATERIAL CODE: IMPELLER/ VOLUTE/ BOTTOM PLATE / MOTOR , HOUSING / PEDESTAL – MANUFACTURER STANDARD TO SUIT, THE FLUID HANDLED, MATERIAL CODE: ROTOR SHAFT – MANUFACTURER STANDARD TO SUIT, THE FLUID HANDLED, PRO COATING:MANUFACTURER STANDARD TO SUIT THE FLUID HANDLED, SEAL TYPE: DOUBLE MECHANICAL SEAL - MANUFACTURER STANDARD, IMPELLER TYPE – CONTRABLOCK / NON CLOG – 1 VANE, LINE RATING IN/OUT: 150#,DISCHARGE FLANGE: DN65, SOLID HANDLING SIZE: 45 MM, PUMP EFFICIENCY/ HYDRAULIC EFFICIENCY: > 45%, ELECTRICAL MOTOR SPECIFICATION:, DRIVER: ELECTRICAL MOTOR: 3 PHASE / 360 - 440 V / 50HZ, MOTOR TYPE: SQUIRREL CAGE INDUCTION MOTOR, NO. OF STARTS PER HOUR: MANUFACTURER STANDARD, CABLE LENGTH: 15 M,MOTOR EFFICIENCY: > 78%, MOTOR ENCLOSURE: IP 68, MOTOR RATING (KW): MANUFACTURER STANDARD,MOTOR MARGIN: >15%, EXPLOSION PROTECTION: EXPLOSION PROTECTION TO EX II 2G K EX, DB IIB T4 GB AND ATEX,INSULATION CLASS: CLASS F, TEMPERATURE RISE LIMIT: CLASS B AS PER NEMA, TEMPERATURE PROTECTION: BI METALLIC THERMAL SENSOR AT, STATOR WINDING WITH INTERLOCKED RELAY, LEAKAGE PROTECTION: DI MOISTURE PROBE IN SEAL CHAMBER WITH, INTERLOCKED RELAY,LUBRICATION: LUBRICATED-FOR-LIFE BEARINGS "	4	EA								
2		DUCK FOOT BEND PEDESTAL (ETP SAS PUMP) MATERIAL CODE: 303030053 ITEM NO. 149-P-36 A/B/C/D,DUCK FOOT BEND PEDESTAL TO , STAND SURPLUS ACTIVATED SLUDGE PUMP	3	EA								
3		TEMP & LEAKAGE RELAY (ETP SBR SAS PUMP) MATERIAL CODE: 303030043 ITEM NO.: 149-P-36 A/B/C/D,TEMPERATURE AND LEAKAGE RELAY, FOR SBR SURPLUS ACTIVATED SLUDGE PUMP, (SUBMERSIBLE NON CLOG TYPE), (TEMPERATURE PROTECTION: BI METALLIC THERMAL SENSOR AT STATOR WINDING WITH INTERLOCKED RELAY, LEAKAGE PROTECTION: DI MOISTURE PROBE IN SEAL CHAMBER, WITH INTERLOCKED RELAY)	4	EA								
4		STARTER/CONTROL PANEL (ETP SBR SAS PUMP) MATERIAL CODE: 303030033 ITEM NO.: 149-P-36 A/B/C/D,STARTER PANEL/CONTROL PANEL, FOR SBR SURPLUS ACTIVATED SLUDGE PUMP	3	EA								

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SN	HSN no.	DESCRIPTION OF MATERIAL	QTY	UOM	UNIT RATE (RS)	P&F @ ____% (RS)	FREIGHT @ ____% on UNIT RATE (RS)	GST @ ____% on (A) + (B) + (C) (RS)	TOTAL UNIT RATE INC TAXES & DUTIES (RS)	TOTAL AMOUNT FOR ALL QUANTITIES (RS)	AMOUNT FOR ITC BENEFIT AGAINST GST (IF ANY) (RS.)
5		LIFTING CHAIN FOR ETP SBR SAS PUMP MATERIAL CODE: 303030023 ITEM NO.: 149-P-36 A/B/C/D, LIFTING CHAIN FOR PUMP: STAINLESS STEEL - SS 304, (ALL CHAIN, LINKS TO BE INTEGRALLY FORGED AND NOT WELDED, MTC & LOAD, TEST CERTIFICATE TO BE PROVIDED), FOR SBR SURPLUS ACTIVATED SLUDGE PUMP	3	EA							
6		SINGLE GUIDE RAIL FOR ETP SBR SAS PUMP MATERIAL CODE: 303030013 ITEM NO.: 149-P-36 A/B/C/D ,SINGLE GUIDE RAIL 10M, MOC:SS304, FOR SBR SURPLUS ACTIVATED SLUDGE PUMP	3	EA							
7		SBR RAS PUMP & MOTOR (SUBMERSIBLE TYPE) MATERIAL CODE: 313180063 "SBR RAS PUMP & MOTOR (WET WELL SUBMERSIBLE NON CLOG TYPE), ITEM TAG NO.:149-P-35 A/B/C/D, PUMPING TEMPERATURE HANDLED: (DEG. C): AMBIENT , VISCOSITY AT PUMPING TEMPERATURE (CP): 1.0 , LIQUID: BIO SLUDGE; LIQUID DENSITY (KG/M3): 1050 , PRESENCE OF CORROSIVE/TOXIC COMPONENTS: YES , SOLIDS IN SUSPENSION: YES, SLOUGHED BIOMASS, 0.9% , SIZE OF SOLID PARTICLES (MM, MAX.): MAINLY BIO MASS , FLOW RATE (M3/HR): NORMAL- 270, MAX- 270, MIN - 130 , NPSH A VAILABLE (M, MIN.): FLOODED SUCTION , DISCHARGE PRESSURE (KG/ CM2. A): 2.5 , DIFFERENTIAL PRESSURE (KG/ CM2. G): 1.5 , DIFFERENTIAL HEAD (M): 15 , DESIGN PRESSURE(KG/CM2.A): 5.5, DESIGN TEMP: 65 DEG C , MATERIAL CODE: IMPELLER/ VOLUTE/ BOTTOM PLATE / MOTOR , MATERIAL CODE: ROTOR SHAFT - MANUFACTURER STANDARD, PROTECTIVE COATING: MANUFACTURER STANDARD TO SUIT THE FLUID , SEAL TYPE: DOUBLE MECHANICAL SEAL- MANUFACTURER STANDARD,	3	EA							
		IMPELLER TYPE - CONTRABLOCK / NON CLOG- 1 VANE, LINE RATING IN/OUT: 150# DISCHARGE FLANGE = DN150, SOLID HANDLING SIZE: 100 MM,HYDRAULIC EFFICIENCY: >70%, DRIVER: ELECTRICAL MOTOR 3 PHASE/360-440V/50HZ, MOTOR TYPE: SQUIRREL CAGE INDUCTION MOTOR, MOTOR EFFICIENCY: >90%, NO OF STARTS PER HOUR: MANUFACTURER STANDARD, MOTOR RATING (KW): MANUFACTURER STANDARD, EXPLOSION PROTECTION TO EX II 2G K EX DB IIB T4 GB & ATEX, INSULATION CLASS: CLASS H , TEMP PROT: BI METALLIC THERMAL SENSOR AT STATOR WINDING, DIMOISTURE PROBE IN SEAL CHAMBER WITH INTERLOCK RELAY, LUBRICATED-FOR-LIFE BEARINGS (LIFETIME OF MIN 50,000 HRS), TEMPERATURE RISE LIMIT: CLASS A AS PER NEMA, STARTING METHOD: STAR DELTA START, CABLE LENGTH: 15M, MOTOR EFF LEVEL:IE3 PREMIUM EFF IN ACC WITH IEC60034-30, MOTOR ENCLOSURE: IP 68,MOTOR MARGIN: >15%"									
8		DUCK FOOT BEND PEDESTAL (ETP RAS PUMP) MATERIAL CODE: 313180053 "ITEM TAG NO.: 149-P-35 A/B/C/D, DUCK FOOT BEND PEDESTAL TO STAND RAS PUMP, FOR SBR RECIRCULATION OF ACTIVATED SLUDGE PUMP"	2	EA							

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9		TEMP & LEAKAGE RELAY (ETP SBR RAS PUMP) MATERIAL CODE: 313180043 "ITEM TAG NO.: 149-P-35 A/B/C/D , TEMP PROTECTION: BI METALLIC THERMAL SENSOR AT STATOR, LEAK PROTECTION: DI MOISTURE PROBE WITH INTERLOCKED RELAY, FOR SBR RAS PUMP IN ETP (SUBMERSIBLE NON CLOG TYPE)"	3	EA							
10		STARTER/CONTROL PANEL (ETP SBR RAS PUMP) MATERIAL CODE: 313180033 "ITEM TAG NO.: 149-P-35 A/B/C/D ,STARTER PANEL/CONTROL PANEL, FOR SBR RECIRCULATION OF ACTIVATED SLUDGE PUMP"	2	EA							
11		SINGLE GUIDE RAIL FOR ETP SBR RAS PUMP MATERIAL CODE: 313180013 "SINGLE GUIDE RAIL 10M,ITEM TAG NO.: 149-P-35 A/B/C/D , FOR SBR RECIRCULATION OF ACTIVATED SLUDGE PUMP, (WET WELL SUBMERSIBLE NON CLOG TYPE),MOC: SS304"	2	EA							
12		LIFTING CHAIN FOR ETP SBR RAS PUMP MATERIAL CODE: 313180023 "ITEM TAG NO.: 149-P-35 A/B/C/D , LIFTING CHAIN WITH SHACKLE (10M), MOC: SS304, FOR SBR RECIRCULATION OF ACTIVATED SLUDGE PUMP, (ALL CHAIN LINKS TO BE INTEGRALLY FORGED AND NOT WELDED, MTC & LOAD TEST CERTIFICATE TO BE PROVIDED)"	2	EA							
TOTAL AMOUNT IN FIGURE:											
TOTAL AMOUNT IN WORDS:											

- i) You are requested to quote in the above standard SOR format only. Kindly do not attach any other SOR format and strictly adhere to the aforesaid format.
- ii) All other charges which are not appearing above and become applicable during execution of this PO, same shall be considered included in the quote rates.
- iii) Items shall be properly packed to avoid any damage during Transit and Part No. / Item No. shall be tagged on the supplied item with description for proper identification.
- iv) Vendor shall maintain BCPL material code along with HSN Code in all corresponding documents for ease of identification & scrutiny.
- v) Please mention HSN code against each SOR items.
- vi) The items quoted should be strictly as per the specifications mentioned.