

Tender Inviting Authority: BHEL-PEM

Name of Work: GYPSUM DEWATERING SYSTEM (VACCUM BELT FILTER TYPE)

Tender Ref No: PE/PG/KAG/E-6736/2021 Dt. 31/08/2021

Name of the Bidder/ Bidding Firm / Company :															
ANNEXURE-1 : MAIN SUPPLY															
PRICE SCHEDULE NOTES: 1) Bidder to note that above BOQ for this tender has to be read in conjunction with tender specification. Any item, if not mentioned in above BOQ but indicated in tender specification and required for completion of the system shall deemed to be included in above price. 2) Referring to Clause no. 2.1.1.9 (ii) sheet 4 & 5 of 19, Sub-section-C1, Section-I of the Specification); Interconnected piping (slurry, air and water pipes) along with valves, rubber lining (wherever applicable), supports, gaskets, fasteners and accessories which is non integral to Gypsum dewatering system are limited to engineering only and supply shall be made by BHEL. Engineering includes layout & routing of pipes, preparation of isometric drawing and BOQ.															
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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	TEXT	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	HSN CODE	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE (To be entered by the Indian Bidder in INR) OR UNIT C&F CHENNAI PRICE (To be entered by Foreign Bidder in foreign currency)	TOTAL EX-WORKS PRICE OR TOTAL C&F CHENNAI PRICE	FREIGHT RATE (To be entered by the Indian Bidder only)	FREIGHT AMOUNT	GST TYPE (To be entered by the Indian Bidder only)	GST RATE (To be entered by the Indian Bidder only)	GST AMOUNT	TOTAL AMOUNT Without Taxes (For Indian Bidder=TOTAL EX-WORKS + FREIGHT) OR (For Foreign Bidders= TOTAL C&F CHENNAI PRICE)	TOTAL AMOUNT With Taxes (For Indian Bidder=TOTAL EX-WORKS + FREIGHT + GST) OR (For Foreign Bidder= TOTAL C&F CHENNAI PRICE)	TOTAL AMOUNT In Words
1	2	4	5	7	12	13	14	15	16	18	20	21	53	54	55
1	BREAK-UP OF MAIN SUPPLY ITEMS														
1.01	Primary hydro cyclone comprising of hydrocyclone clusters, anchor bolts, nuts and washers, flanges for inlet and overflow, a variety size of vortex finders for all the hydro cyclone, accessory piping within the skid to make the system complete.	2.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.02	Secondary hydro cyclone comprising of hydrocyclone clusters, anchor bolts, nuts and washers, companion flanges for inlet and overflow, variety size of vortex finders for all the hydro cyclone & accessory piping within the skid to make the system complete.	2.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.03	Vacuum belt filters complete with accessories, maintenance platform with staircase including discharge chute, and driving motors (IE3) with VFD & inverter panel, coupling along with guard.	2.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.04	Vacuum receivers with anchor bolts, nuts and washers.	2.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.05	Vacuum pumps with drive (IE3 motor) along with all connecting bolts/ nuts/ washers/foundation bolts for installation, coupling along with guard, required instruments and safety device (as required).	2.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.06	Vent fan including enclosure along with drive motor (IE3), coupling along with guard	2.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.07	Complete arrangement for cloth and cake washing arrangement, cloth and cake wash pumps with motors (IE3), coupling along with guard, associated piping, valves, spray nozzles & accessories	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.08	Complete arrangement of Filtrate extraction pumps with motors (IE3), coupling along with guard, suction and discharge valves, instrumentation etc. to make system complete.	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.09	Complete arrangement of Vacuum pump seal water sump pumps with motors (IE3), valves, coupling along with guard(as applicable), instrumentation etc. to make system complete.	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.10	Complete interconnected piping (slurry, air and water pipes) along with valves, rubber lining (wherever applicable), supports, gaskets, fasteners and accessories which is integral to Gypsum dewatering system as defined in technical specification, Section I, Sub-section-IC, Clause no. 2.1.1.9 (i).	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.11	Complete instruments associated with equipment and integral piping as defined at 1.10 above for Gypsum Dewatering System	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
Total in Figures													0.0000	0.0000	Zero Only
Quoted Rate in Words															

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Name of the Bidder/ Bidding Firm / Company -													
ANNEXURE-2 : SUPERVISION OF SERVICES													
PRICE SCHEDULE NOTES: 1) No. of days at site defined at S.N. 2.02 below shall be calculated on the basis of presence at site (travel time is excluded). 2) No. of Visits and days as mentioned at 2.01 & 2.02 below may vary, depending upon site requirement. Any variation in no. of visits & no. of days shall be exercised based on unit rate arrived from S.N. 2.01 & 2.02 below respectively. (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)													
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	TEXT #	NUMBER #	NUMBER	TEXT	NUMBER	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	HSN CODE	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE (To be entered by the Indian Bidder in INR) OR UNIT C&F CHENNAI PRICE (To be entered by Foreign Bidder in foreign currency)	TOTAL EX-WORKS PRICE OR TOTAL C&F CHENNAI PRICE	GST TYPE (To be entered by the Indian Bidder only)	GST RATE (To be entered by the Indian Bidder only)	GST AMOUNT	TOTAL AMOUNT Without Taxes (For Indian Bidder=TOTAL EX-WORKS + FREIGHT) OR (For Foreign Bidder= TOTAL C&F CHENNAI PRICE)	TOTAL AMOUNT With Taxes (For Indian Bidder=TOTAL EX-WORKS + FREIGHT + GST) OR (For Foreign Bidder= TOTAL C&F CHENNAI PRICE)	TOTAL AMOUNT In Words
1	2	4	5	7	12	13	14	18	20	21	53	54	55
2	BREAK-UP OF SUPERVISION OF SERVICES												
2.01	Total lump sum prices for visits [should include travel expenses to/ fro site, visa/ insurance (if applicable), intermediary stay] for Supervision of assembly, erection and commissioning, trial run at site & taining to O&M staffs	4.00	NOS		INR		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.02	Total lump sum prices for Supervision of assembly, erection and commissioning, trial run at site & taining to O&M staffs (in days) including visit charges, local transportation, boarding, lodging & other related exepenses for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	60.00	DAYS		INR		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.03	Total Lump sump price for successful conductance of Performance Guarantee test and handover in flawless condition of the package to the customer at site visit charges, local transportation, boarding, lodging & other related	1.00	LOT		INR		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.04	Total Lump sump price for training of employees of customer at manufacturer's works (3 persons for 2 days including lodging and boarding)	1.00	LOT		INR		0.0000			0.0000	0.0000	0.0000	INR Zero Only
Total in Figures											0.0000	0.0000	Zero Only
Quoted Rate in Words		Zero Only											

Item Rate BoQ

Tender Inviting Authority: BHEL-PEM

Name of Work: GYPSUM DEWATERING SYSTEM (VACCUUM BELT FILTER TYPE)

Tender Ref No: PE/PG/KAG/E-6736/2021 Dt. 31.08.2021

Name of the Bidder/ Bidding Firm / Company :	
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ANNEXURE-3 : MANDATORY SPARES

PRICE SCHEDULE NOTES:

- 1) Wherever set is mentioned, one set of the spares of that item shall be for complete replacement of that particular item for one equipment.
- 2) Any fraction of a item shall mean the next higher
- 3) Wherever quantity has been specified as percentage (%), the quantity of mandatory spares to be provided by contractor shall be the specified percentage (%) of the total population of the plant. In case, the quantity so calculated happens to be fraction, the same shall be rounded off to next higher whole number.
- 4) Wherever the quantities have been indicated for each type, size, thickness, material, radius, range, etc., these shall cover all the items supplied and installed and the breakup for these shall be furnished in the bid.
- 5) In case, spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed in the above list.
- 6) (*) Unless otherwise stated, a set shall mean complete replacement for one equipment.
- 7) Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.Bidder is also required to refer to notes mentioned at Annexure-II, Sub Section-E, Section-I in technical specification.

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1	2	4	5	7	12	13	14	15	16	18	20	21	53	54	55
1	MECHANICAL														
1.1	Hydro-cyclones (Gypsum Primary Dewatering, Secondary Waste Water and any other Hydrocyclone)														
1.11	Hydro-cyclone Isolation Valve (1 LOT= 10% of each type OR 1 no. whichever is higher)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.12	Hydro-Cyclone (1 LOT= 10% of each type OR 1 no. whichever is higher)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.13	Hydro-Cyclone rubber lining-Feed chamber and Overflow chamber (1 LOT= 10% of each type OR 1 no. whichever is higher)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.14	Vortex finder & Apex inserts (1 LOT= 10% of each type OR 1 no. whichever is higher)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.2	Vacuum Belt Filter														
1.21	Filter Cloth	4.00	SETS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.22	Belt	1.00	SETS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.23	Vaccum Box Seals	2.00	SETS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.24	Drive Motor	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.3	Vacuum Pumps														
1.31	Pump Impeller Assembly	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.32	Pump Bearing	1.00	SETS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.33	Seals	1.00	SETS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.34	Motor	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.4	Vacuum Breaker Valves														
1.41	Valve Assembly	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.42	Actuator	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.5	Sump Pumps														
1.51	Complete Impeller Assembly (1 LOT = 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.52	Casing Liners, wherever applicable (1 LOT = 1 set* of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.53	Bearing *	1.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.54	Motor (1 LOT = 4 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.55	Pump discharge valve assembly (1 LOT = 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.6	Horizontal Centrifugal Pumps														
1.61	Complete Impeller Assembly (1 LOT = 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.62	Casing Liners (1 LOT = 1 set* of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.63	Bearing *	1.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.64	Motor (1 LOT = 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.65	Pump discharge valve assembly (1 LOT = 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.7	Slurry Pumps														
1.71	Impeller Assembly (1 LOT = 4 no. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.72	Complete Casing (1 LOT = 1 no. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.73	Casing Liners (where replaceable liners are provided) (1 LOT= 1 set* of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.74	Seals (1 LOT= 4 set of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.75	Bearings (1 LOT= 1 no. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.76	Motor (1 LOT= 1 no. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.77	Gear Box (1 LOT= 1 no. of each type and size of pump)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.78	Motor-Pump Coupling 1 LOT= 1 no. of each type)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.8	Slurry Valves (1 LOT= 4 nos. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
1.9	Slurry Line Bends (1 LOT= 4 nos. of each type and size)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2	CONTROL & INSTRUMENTATION														
2.1	MEASURING INSTRUMENTS														
2.11	Transmitters of all types and model no. (for measurement of pressure, differential pressure, flow, level, temp, etc.). This shall include magnetic/ electromagnetic flow meter, mass flow meter also. (1 LOT= 10% or 1 no. of each type and model, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only

2.12	Temp Elements along with thermo well (except winding temp elements of motor) (1 LOT= 10% or 2 no. of each type, model & length, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.13	Process Actuated Switches (Pressure, Differential pressure, flow, level, temp) (1 LOT= 10% or 2 no. of each type and model, whichever is more.)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.14	Limit switches (for pneumatic and manual valves) (1 LOT= 10% or 2 no. of each type and model, whichever is more.)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.15	Local Gauges for Pressure, Differential pressure, flow, level, temp (1 LOT= 5% or 1 no. of each type, model and range, whichever is more.)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.2	PROCESS CONNECTION PIPING (For Impulse Piping / Tubing and Air Supply Piping as Applicable)														
2.21	Valves of all types and models (1 LOT= 10% or 1 no. of each type, class, size and model, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.22	2 way, 3way, 5way valve manifolds (1 LOT= 10% or 1 no. of each type, class, size and model, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.23	Fittings (1 LOT= 10% or 1 packet of each type, class, size and model whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.24	Purge meters (1 LOT= 5% of each model or 1 no. whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.25	Filter regulators (1 LOT= 20% of each model or 2 nos. whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.3	CONTROL VALVES, ACTUATORS & ACCESSORIES (Following items shall be provided under this clause for all modulating control valves being supplied under this package)														
2.31	Pneumatic and electro-hydraulic actuator assembly (1 LOT= 10% or 1 no. of each type, model and rating, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.32	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.) (1 LOT= 1 set for each type of control valve)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.33	Diaphragms, O' rings, seals etc. of all types make etc. (1 LOT= 100%)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.34	Pressure Gauges of all types, make, rating etc. (1 LOT= 10% or 2 nos. of each type whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.35	Solenoid valves (if applicable) (1 LOT= 10% or 2 nos. of each type whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.36	Positioner units (complete unit) & accessories (link assembly) (1 LOT= 10% or 1 no. of each type whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.37	Pneumatic air-filter/Regulator of each type, make rating etc. (1 LOT= 10% or 2 Nos., whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.38	Air lock relays (1 LOT= 10% or 2 nos. of each type whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.4	PNEUMATICS ISOLATION / BLOCK VALVES, ACTUATORS & ACCESSORIES (For all ON/OFF valves supplied under this package)														
2.41	Pneumatic actuator assembly (1 LOT= 10% or 1 no. of each type, model and rating, whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.42	Diaphragms, O' rings, seals etc. of all types make etc. (1 LOT= 100%)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.43	Limit switches (complete unit) & accessories (link assembly) (1 LOT= 10% or 2 Nos., whichever is more)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.44	Pneumatic air-filter/Regulator of each type, make rating etc. (1 LOT= 10% or 2 Nos., whichever)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.5	ELECTRICAL ACTUATORS														
2.51	Actuators (1 LOT= 1 no of each type and rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.52	Electronic PCB of all types (1 LOT= 10% of each type & model)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.53	Absolute Encoder (replaceable part) (1 LOT= 5% of each type & model)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.54	Electronic Torque sensor (1 LOT= 5% of each type & model)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.6	VFD														
2.61	Electronic cards														
2.611	Control modules (1 LOT= 1 no of each type and rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.612	I/O module (1 LOT= 1 no of each type and rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.613	Power supply modules (1 LOT= 1 no of each type and rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.614	Gate module including gate transformer (1 LOT= 100% of one channel)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.62	Power device (Thyristor, IGBT etc.) bridge leg (1 LOT= 1no.(Qty. for one ph.))	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.63	Over voltage limiter and surge suppressor network	1.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.64	Semi conductor fuses for Power device (thyristor, IGBT etc.)	1.00	SET		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.65	Power & Control fuse (1 LOT= 25% of installed quantity)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.66	Control Transformer (1 LOT= 1 nos. of each type & rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.67	Contactor/Breaker	1.00	NOS		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.68	CT/VT (1 LOT= 1 nos. of each type & rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only
2.69	Indicating lamps (1 LOT= 100% of each type & rating)	1.00	LOT		INR		0.0000		0.0000			0.0000	0.0000	0.0000	INR Zero Only

2.70	Auxiliary contactors & relays (1 LOT= 1 nos. of each type & rating)	1.00	LOT		INR		0.0000		0.0000		0.0000	0.0000	0.0000	INR Zero Only
2.71	Indicating lamp holder full set (1 LOT= 1 no. of each type & rating)	1.00	LOT		INR		0.0000		0.0000		0.0000	0.0000	0.0000	INR Zero Only
2.72	Indicating lamp holder full set (1 LOT= 15% of each type and colour)	1.00	LOT		INR		0.0000		0.0000		0.0000	0.0000	0.0000	INR Zero Only
2.73	Panel mounted meters (1 LOT= 1 no. of each type & rating)	1.00	LOT		INR		0.0000		0.0000		0.0000	0.0000	0.0000	INR Zero Only
Total in Figures												0.0000	0.0000	Zero Only
Quoted Rate in Words		Zero Only												

Tender Inviting Authority: BHEL-PEM

Name of Work: GYPSUM DEWATERING SYSTEM (VACCUM BELT FILTER TYPE)

Tender Ref No: PE/PG/KAG/E-6736/2021 Dt. 31.08.2021

Name of the Bidder/ Bidding Firm / Company :							
ANNEXURE-4 : CIF CONTENT							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
NUMBER #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	DESCRIPTION	Quantity	Units	CURRENCY OF IMPORT	TOTAL CIF VALUE	TOTAL CIF VALUE	TOTAL AMOUNT In Words
1	2	4	5	12	13	53	55
1	LIST OF CIF ITEMS						
1.01	-	1.00	LOT	USD		0.0000	USD Zero Only
1.02	-	1.00	LOT	INR		0.0000	INR Zero Only
1.03	-	1.00	LOT	INR		0.0000	INR Zero Only
1.04	-	1.00	LOT	INR		0.0000	INR Zero Only
Total in Figures						0.0000	Zero Only
Quoted Rate in Words							

Tender Inviting Authority: BHEL-PEM

Name of Work: GYPSUM DEWATERING SYSTEM (VACCUM BELT FILTER TYPE)

Tender Ref No: PE/PG/KAG/E-6736/2021 Dt. 31.08.2021

Name of the Bidder/ Bidding Firm / Company :	
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ANNEXURE-II of GCC Rev07 (COST OF WITHDRAWAL)
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NOTES:
1. Cost of Withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. All the bidders have to list out all their technical & commercial deviations (if any) in details in the above format.
3.Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
4.Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawl of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable. In absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.
5. Bidder shall furnish price copy of above format along with price bid.
6.The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
7.Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
8. For deviations w.r.t. Credit Period, Liquidated damages, Firm prices if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VII of GCC, Rev-07 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawl of deviation shall be taken as NIL.
9. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
10. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
11. Cost of withdrawl is to be given seperately for each deviation. In no event bidder should club cost of withdrawl of more than one deviation else cost of withdrawl of such deviations which have been clubbed together shall be considered as NIL.
12. In case nature of cost of withdrawl (positive/negative) is not specified it shall be assumed as positive.
13. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.

NUMBER #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	TEXT	TEXT	TEXT	TEXT	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other Currency	COST OF WITHDRAWAL OF DEVIATION (To be entered by the Indian Bidder in INR) OR (To be entered by Foreign Bidder in foreign currency)	Page no.	Technical specification/tender document clause no.	Reference of price schedule of which cost of withdrawal of deviation is applicable	Nature of cost of withdrawal of deviation (positive / Negative)	Reasons for quoting deviation	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	2	4	5	12	13	14	18	19	24	25	53	55
1	TECHNICAL DEVIATION											
1.01	Technical deviation	1.00	SET	INR							0.0000	INR Zero Only
1.02	Technical deviation	1.00	SET	INR							0.0000	INR Zero Only
1.03	Technical deviation	1.00	SET	INR							0.0000	INR Zero Only
1.04	Technical deviation	1.00	SET	INR							0.0000	INR Zero Only
2	COMMERCIAL DEVIATION											
2.01	Commercial deviation	1.00	SET	INR							0.0000	INR Zero Only
2.02	Commercial deviation	1.00	SET	INR							0.0000	INR Zero Only
2.03	Commercial deviation	1.00	SET	INR							0.0000	INR Zero Only
2.04	Commercial deviation	1.00	SET	INR							0.0000	INR Zero Only
Total in Figures											0.0000	Zero Only
Quoted Rate in Words												

Tender Inviting Authority: BHEL-PEM

Name of Work: GYPSUM DEWATERING SYSTEM (VACCUM BELT FILTER TYPE)

Tender Ref No: PE/PG/KAG/E-6736/2021 Dt. 31.08.2021

Name of the Bidder/ Bidding Firm / Company :							
GUARANTEED POWER CONSUMPTION FORMAT							
<p>NOTES:</p> <p>Guaranteed power consumption falls under Category - I guarantees.</p> <p>1) Power consumption (KW) of motors shall be measured at motor input terminals when the system operating at the rated capacity. For this purpose, the drives of standby equipment shall not be considered.</p> <p>2) Base aux power is 283.2 KW.</p> <p>3) The total guaranteed power consumption quoted by the bidders at column no. (7) shall be loaded at the rate of INR 143944 per KW for the differential power quoted over the base aux power as mentioned at S.N. 2 above.</p> <p>4) Guaranteed Power Consumption in this Format shall be submitted in sealed envelope along with price bid as part of techno commercial offer. However along with unpriced format, bidder shall furnish guaranteed power consumption format indicating "Quoted" in the below table.</p> <p>5) Power quoted by bidder shall be termed as 'Guaranteed Power consumption' (GPC) and bidder shall be liable to demonstrate compliance to GPC value during PG test/ Demonstration test at site. If the actual power consumption exceeds the quoted guaranteed power consumption, then the contractor shall carry out all necessary modifications and/or replacements to make the equipment/system comply with the guaranteed power consumption at no extra cost to the NTPC/BHEL and reconduct the performance guarantee test with NTPC/BHEL consent.</p> <p>In case the actual power consumption during performance test still does not meet the guaranteed power consumption within 90 days or a reasonable time period allowed by NTPC/BHEL, NTPC/BHEL reserves the right to either of the following.</p> <p>a) Reject the equipment/system/plant and recover from the successful bidder the payments already made</p> <p>or</p> <p>b) Accept the equipment/system/plant after levying Liquidated damages at the rate of INR 143944 per KW excess power consumption, over the guaranteed power consumption indicated by the bidder in his bid. Such liquidated damages may be recovered by BHEL by deduction from the contract price or by enforcing the contract performance guarantee or in any other manner deemed fit by BHEL.</p> <p>6) "Any equipment/ item required by bidder as per their proven design to make 'vacuum belt filter' complete/ operational and is operating on continuous basis, shall be considered under S.N. '1' in the below GPC format, i.e., "Vacuum Belt Filter" and the power consumption shall be quoted accordingly."</p> <p>(This template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</p>							
NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	TEX
Sl. No.	Item Description	Quantity (Working)	Standby	Duty Factor	Power Consumption (KW) (at motor input terminal)	Power Consumption (KW)	
1	2	4	6	7	13	53	55
1	Vacuum Belt Filter	1.00	1.0000	1		0.0000	
2	Vacuum Pump	1.00	1.0000	1		0.0000	
3	Cake Wash Pump	1.00	3.0000	1		0.0000	
4	Belt Filter Wash Pump	1.00	3.0000	1		0.0000	
5	Belt Filter Vent Fan	1.00	1.0000	1		0.0000	
Total in Figures						0.0000	
Quoted Rate in Words							