BHARAT HEAVY ELECTRICALS LIMITED

RAMACHANDRAPURAM, HYDERABAD-502032

FACTORY CIVIL DEPARTMENT

Name of work: "*Construction of Machine Foundation for Erection of New Motor Assembly in Oxygen Plant and providing facility for lifting equipment in Oxygen Plant with Chain Pulley*"

SCHEDULE-A :: BILL OF QUANTITIES

SNo	Description of the item	Unit	Qty	Unit Rate including GST	Amount
1	**Dismantling reinforced cement concrete** / plain cement concrete and disposing of debris upto to a lead of 2 km including loading, unloading and spreading as directed by Engineer-In-Charge etc., complete.	Cu.m	11.5	Rs. 2,654.24	Rs. 30,523.76
2	**Earth work in excavation in all soils** by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All as directed by Engineer-In-Charge.	Cu.m	5.0	Rs. 252.30	Rs. 1,261.50
3	Providing and laying in position **Plain Cement Concrete** of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with **1:4:8** (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size). **Only cement will be issued by BHEL free of cost at BHEL stores.**	Cu.m	1.5	Rs. 4,645.00	Rs. 6,967.50
4	Providing and laying in position specified grade, of **Reinforced Cement Concrete** excluding the cost of centering, shuttering, finishing and reinforcement - **all work up to plinth level with 1:1½:3** (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size). **Only cement will be issued by BHEL free of cost at BHEL stores.**	Cu.m	14.0	Rs. 5,025.00	Rs. 70,350.00
5	**Reinforcement** for RCC work including straightening, cutting, bending, placing in position and binding all complete by cold twisted bars. **Only Reinforcement will be issued by BHEL free of cost at BHEL stores.**	MT	1.20	Rs. 18,885.00	Rs. 22,662.00
6	**Centering and shuttering** including strutting, propping etc.; and removal of form for walls (any thickness) including attached pillasters, buttresses, plinth and string courses etc.	Sq.m	42.0	Rs. 284.85	Rs. 11,963.70
7	**Conveyance of excavated soil** up to a lead of 2 km, including loading, unloading and spreading etc. complete as directed by Engineer-In-Charge.	Cu.m	5.0	Rs. 149.43	Rs. 747.15
8	**Grouting of bolt pockets with Grout Mix** of specified proportion by the manufacturer, including cost of labour and incidentals etc. **Only Grout Mix shall be issued by BHEL free of cost at BHEL stores.**	Cu.m	0.30	Rs. 1,370.55	Rs. 411.17
9	**Installation of Anchor Bolts** as directed by the Engineer-In-Charge. **Anchor Bolts shall be issued by BHEL free of cost at BHEL stores.**	Nos.	42	Rs. 72.74	Rs. 3,055.08

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SNo	Description of the item	Unit	Qty	Unit Rate including GST	Amount
10	**Brick work with FPS bricks** of Ground moulded in superstructure **above Plinth level up to and including Floor Five level** in all shapes and sizes in **Cement Mortar 1 : 6.** **Only Cement shall be issued by BHEL free of cost at BHEL stores.**	Cu.m	4.00	Rs. 6,985.00	Rs. 27,940.00
11	**Supplying and filling in plinth with river sand** under floors including, watering, ramming consolidating and dressing complete. **River sand shall conform to IS 383. No other sand is accepted.**	Cu.m	2	Rs. 1,953.05	Rs. 3,906.10
12	**Fabrication of structural steel** work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site welding as necessary and all site connections. The rate includes painting with one coat of red oxide as per I.S. specification and all site charges for handling, leading, loading and unloading of materials at fabrication yard and all other incedentals. **Only required raw structural steel sections, acetylene, oxygen shall be issued by BHEL free of cost at BHEL stores**	MT	3.5	Rs. 24,633.00	Rs. 86,215.50
13	**Erection of structural steel work** outlined above including the charges for handling, leading and stocking at the site at approved locations prior to erection include all site welding, revittings, bolting, jointing and site welding etc., complete.	MT	3.5	Rs. 10,557.00	Rs. 36,949.50
14	**Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel** paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete all as directed by Engineer-In-Charge. **Only required aluminium paint or synthetice enamel paint shall be issued by BHEL at free of cost at BHEL stores.**	MT	3.5	Rs. 3,863.00	Rs. 13,520.50
A	**Total Cost, including GST**			=	**Rs. 3,16,473**

Notes:

1	**Risk Purchase :** In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.
2	**The rates are INCLUSIVE of GST.**
3	The maintenance period is **TWELVE (12) months**. The security deposit will be released after satisfactory completion of the work including Maintenance Period and after getting I.R clearance and payment of final bill.

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4	**Penalty terms: Refer Clause 2.1.3 of NIT** The following Penalties are envisaged in the contract and shall be assessed and recovered independently: **(a) DELAY IN COMPLETION OF WORK:** **In the event of delay in completion of the awarded work beyond the contractual delivery date, a penalty of 0.5% of the Contract value per week delay or part thereof subject to a maximum of 10% of the Contract value shall be levied and recovered from any of his bills lying with BHEL along with GST, as applicable.** **(b) DELAY IN DEPOSITION OF SECURITY DEPOSIT:** **If the Contractor fails to deposit the required Security Deposit within TWO weeks period from the date of issue of LoI [or] as requested by BHEL, EMD shall be forfeited and the Contractor / Tenderer may be suspended from being eligible for bidding in any contract with BHEL for a period of TWO years from the date of notification, in case of continuous defaulter.** **(c) DELAY IN COMMENCEMENT OF WORK:** **If the Contractor fails to commence the work within FIFTEEN (15) calendar days from the date of issue of LoI or as requested by BHEL, a penalty of 0.5% of the Contract value per week delay or part thereof subject to a maximum of 10% of the Contract value shall be levied and recovered from any of his bills lying with BHEL along with GST, as applicable.** **(d) USAGE OF AGGREGATES:** **Coarse and Fine Aggregates shall be conforming to IS 383.** **However, if Crushed stone sand (also locally called as robo sand, stone dust etc.) conforming to IS 383 is used in masonry / concrete / plastering or any other cement related work(s) or filling works, amount payable for such item/s to the extent of quantity executed using Crushed stone sand shall be reduced by 20% (TWENTY PERCENT).** (f) Violation of applicable safety, health and environment related norms, a penalty of Rs. 5,000/- (Rupees Five thousand) per occasion shall be imposed.
5	**Taxes:** Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz.GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statue enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.
6	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
7	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
8	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.
9	The agency has to pay the minimum wages to the workers with statutory payments like ESI, PF etc., as per BHEL Notification. For wages, refer Clause-10.11 of NIT. Payments and increase in statutory payments like ESI, PF, PPE's etc., and increase in future DA shall be borne by the Contractor.
10	The agency has to bring police clearance certificate for the work force.
11	All the terms and conditions of the contact with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).
12	Payment shall be made stage wise on approval from Engineer-In-Charge
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.
15	Quantities mentioned in the Schedule-A above are tentative & indicative only. Quantities finalised by BHEL during course of execution shall be as per actual site requirement and shall be final.

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GST CLAUSES

Following points to be complied with :

1	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.
2	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.
3	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.
4	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.
5	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.
6	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.
7	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.
8	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.
9	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.
10	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.
11	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.

Tender %	% in FIGURES	Percentage in WORDS
EXCESS		
LESS		
At par with BHEL estimate		

Note :	**1) The bidders are required to quote the tender value on percentage (%) basis at excess or less or at par with estimated value in figures and words. Bidders are requested to fill only one row.** **2) The quoted rates shall be INCLUSIVE of GST.** **3) Biiders are advised to READ and UNDERSTAND Clause 2.1.3 of NIT.**