PREQUALIFICATION FOR CAUSTIC POND DYKE INCREASE

The Vendor must provide below documents for pre-qualification:-

- Annual Turn Over of more than five crores
- Last three years P/L Statement/Balance Sheet/audited annual report.
- Number of Years in Business,
- ISO and Other Necessary Certifications
- Top 5 Clients Details.
- At least 5 years of experience of similar type of job.

Scope of work: As per attached BOQ ,SOW & Drawing

Interested parties can submit their competitive offer within 07 days from the date of publication as per the EOI document at the e-mail address given below:

Eoiresponses@vedanta.co.in

SCOPE OF WORK FOR HEIGHT RAISING OF THE CAUSTIC POND

1.0 Objective

Volume Enhancement of caustic pond.

2.0 Scope Of Work:

2.1 Technical Requirement:

1. Visiting of site, collection of existing data, understand the present condition, availability of land etc. as per requirement.
2. Understand the details of existing operation & also water management system during the monsoon.
3. Details of filling material availability at site like utilization of ash and soil for the dyke construction with lead to construction site.
4. Details of filter material use at site with site availability, like sand, aggregates & boulder with lead to construction site.
5. Geosynthtic material use in embankment construction supply & installation at site may be carried out through third party.
6. Detail study of detail design and drawing provided by M/s IIT, BBSR.
7. Preparation of micro schedule mention the detail note for the phase wise Construction of the dyke.
8. Use of the construction materials as per the IS standard.
9. Manpower engage at site as per the project requirement.
10. Preparation of all the benchmarks as reference point before commencement of project work.
11. Permit to be taken from mechanical, electrical & operation before start of the project.
12. Submission of detail BOQ and technical specification for the work as per the drawing.

2.2 Quality:

1. Preparation of detail working procedure with QAP, quality of material to be used for the construction & mention the IS code to followed for the design & drawing & also required for the construction included in the scope of work.
2. The design and material specifications of all equipment and components in scope shall confirm to latest technology and shall be suitable for the services intended.
3. The work shall be carried out as per relevant latest Indian Standards, codes, criteria and recommendations and in absence of latter the work shall be executed as per best practice and to the Indian Standard Specifications as may be desired by the Engineer.
4. Proper curing period will be ensured in brick masonry work.
5. Party will give minimum 1 years of guarantee after completion of job.
6. Third party Consultant do the supervision of the construction activity coordination with consultant which includes establishment of QA & QC standards before starting of work, certification of stage wise quality.

7. Construction material to be sent to government approved laboratory for QA & QC.

2.3 SAFETY :

1. Party has to follow all the safety rules and regulation as per the VL guidelines only.
2. Party has to maintain all the safety documents in printed format as per the requirement of M/s VL
3. Party shall be solely responsible for the adequacy, stability and safety of operations on the Site.
4. Preparation of Job Safety Analysis (JSA) before start of the project.
5. Permit to be taken from civil, mechanical, electrical & operation before start of the job from Refinery, Power plant and expansion project team.
6. Material and manpower remain at site with all safety and security.
7. Project to be carried out in day time only, but as per request job may be carried out at night with 100% safety and illumination and prior information to VL.

3.0 Individual Task:

1. Bush Cutting & stripping.
2. Base preparation for dyke.
3. Soil filling for dyke construction.
4. Dismantle of existing kerb wall & PCC
5. LDPE liner laying in d/s slope.
6. IPS flooring on LDPE.

4.0 Deliverables:

Job to be carried out within 4months of PO place date.

5.0 Expected Outcomes:

- Volume enhancement up to 1 lakh cum.

BOUNDARY WALL
PHASE 7
96.35
96.6
96.45
96.5
PHASE 6
96.71
PHASE 8
96.55
PHASE 5
96.61
96.36
96.15
96.1
PHASE 4
PHASE 3
96.07
96.01
96.62
96.82
PHASE 2
96.55
97.26
CUSTIC POND
Input
Invert Level
96.65
95.33
97.5
98.83
99.45
99.16
99.17
98.87
98.5
PHASE 1
RAILWAY TRACK

BOQ FOR DYKE HEIGHT RAISE OF CAUSTIC POND

Sl. No.	Item	Item Description	Unit	Quantity
Length-900M				
1	Stripping	Stripping the ground up to 200mm thick with clearing of jungle, trees, removal of roots, shoring, strutting, dewatering, drainage, desilting, bailing out water and including placing neatly,disposing off the excavated stuff as directed with all lifts as per drgs,and leads as per preamble,complete in all soils.	Cum	18000
2	Dismental	Dismantling Brick Masonry, PCC or Stone Masonary Work of walls, partition walls, parapets etc. made with cement mortar from 1:4 and 1:6 proportion covered with either pointing or plaster including removing and transporting, unloading and spreading the debris as directed by Engi	Cum	135
3	Excavation & Filling	Earth or mud in excavation below ground level for all kinds of works in all types of soil except hard rock as classified in specification for a depth upto 5m including removal of vegetation,shrubs and debris, cutting and dressing of sides in slopes,levelling, grading and ramming of bottoms,dewatering of accumulated water from any source and keeping the surface dry for subsequent works and filling the excavated earth keeping in view the site requirement and to be consulted by EIC.The filling should be as per requrement and be properly conmpacted for better subgrade and tested by EIC (Lead Max 3km)	Sqm	30000
4	PCC	Supplying and laying of plain cement concrete using 1:4:8 proportion using 40mm downgrade aggregate of specified thickness(as per drawing) which includes leveling the top surface and necessary shuttering required for the concreting and curing and complete the work as per direction of EIC.	Cum	480
5	RCC	Providing and laying of reinforced cement concrete M20 grade(1:1.5:3) proportion using 20mm downgraded aggregates of specified dimension for RCC Structures at all heights at all levels as per the spcification for concrete apron & instruction of EIC (Cube test on 3rd days & 28days from date of pouring of concrete)	Cum	90
6	Shuttering	Providing and fixing adequate centering and leak-proof, form work/ shuttering for concreting to required shape, size, level at any depth and height as per drawing and specifications including staging, access and working platforms, strutting, bracing for Plain form work for Substructure/ Curved form work for Substructure/ Plain form work for Superstructure/ Curved form work for Superstructure	Sqm	1000
7	Steel	Supllying,cutting and bending the reinforcement steel of required did. As per the drawing and fixing the reinforcement as per thedrawing which is also includes chairs and supply of binding wire required for the binding and complete the work as per direction of EIC.	Kg	5400

8	LDPE Liner	Procurement and Instalation of 250 micron LDPE all material & component, manufacture, packing, forward, transportation up to site, handling & instal at the bottom in between PCC & RCC in toe drain.	Sqm	7300
9	IPS Flooring	Providing and laying of IPS Flooring using 20mm downgraded aggregates of specified dimension for flooring on existing masonary drain with grouting in existing boulder masonary that as per the spcification for concrete apron & instruction of EIC	Cum	320
10	WBM	Providing, laying, spreading and compacting graded stone aggregate (Grade - II, 40mm to 60mm size). Laying the metal in uniform layer, spreading of moorum above it, watering and compaction with power vibratory roller to achieve desired density in proper grade, camber or super elevation including cost of material with all lead & lift, transportation, providing light barriers, danger signals, incidental charges, all texes & royalityfor construction of WBM layer complete 75mm thick as directed by the Engineer-in-charge to his entire satisfaction	Cum	510
11	Turfing	Providing and laying of turfing with pad/doob grass on down stream and for (9mts.along slope) of peripheral bund on upstream as per drawings, preamble specifications and directions of Engineer-in-Charge.	Sqm	6500

CS DRAWING FOR CAUSTIC POND HEIGHT RAISE