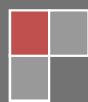


VOLUME – IA

Part I & II

TECHNICAL CONDITIONS OF CONTRACT (TCC)

BHARAT HEAVY ELECTRICALS LIMITED



TECHNICAL CONDITIONS OF CONTRACT (TCC)

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VOLUME-IA PART – I CHAPTER – I PROJECT INFORMATION

1.1 INTRODUCTION

1.1.1 3 x 800 MW NLC Talabira Thermal power plant (NTTPP) is being set up by **NLC India Ltd. (NLC)** near Kumbhari & Tareikela villages in Jharsuguda District, Odisha. The Bidder shall acquaint himself by a visit to the site, if felt necessary, with the conditions prevailing at site before submission of the bid. The information given here in under is for general guidance and shall not be contractually binding on BHEL/ Owner. All relevant site data/ information as may be necessary shall have to be obtained/ collected by the Bidder.

1.1.2 PROJECT INFORMATION

S NO.	DESCRIPTION	DETAILS		
1.	Name of the Project	3 x 800 MW NLC Talabira Thermal Power Project		
2.	Type of project	Green Field		
3.	Owner	NLC India Limited		
4.	Site Location	The plant and township of the project proposed to be located near Kumbhari and Tareikela villages on south west of Brijraj Nagar town on Sambalpur Rourkela highway in Jharsuguda district and ash disposal area is located near Thelkolai village in Sambalpur district.		
5.	Geographical Location	Description	Latitude	Longitude
		North Extreme	21°46' 56.11"N	83°59'30.59"E
		East Extreme	21°46'52.95"N	84°00'20.72"E
		South Extreme	21°45'16.80"N	83°59'9.36"E
		West Extreme	21°46'34.18"N	83°58'50.54"E
6.	Nearest Village	Kumbhari and Tareikela villages on south west of Brijraj Nagar town on Sambalpur Rourkela highway in Jharsuguda district		
7.	Nearest Town	Jharsuguda (approx. 11 km)		

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S NO.	DESCRIPTION	DETAILS
8.	Nearest Highway	Sambalpur Jharsuguda highway
9.	State capital	Bhubaneswar (350 km)
10.	Nearest Railway Station	Jharsuguda on Howrah-Nagpur main (trunk) section is at a distance of 11 km.
11.	Nearest Airport	Jharsuguda airport at a distance of 21 km, Sambalpur airport at a distance of 35 km Bhubaneswar at a distance of 350 km and Raipur airport is at a distance of approx. 290 km.
12.	Nearest Seaport	Paradeep (Approx. 450 km) and Kolkata (Approx. 550 km)
13.	Nearest Road access	Sambalpur – Jharsuguda highway after crossing Bhedan River via state PWD road
14.	Site Elevation	Average level of elevation is 203 m above MSL
15.	Mean Ambient Temperature	
a	Maximum	33.1°C
b	Minimum	20.7°C
c	Average	27.5°C
16.	Extreme Ambient Temperature	
a	Maximum	48°C
b	Minimum	6°C
17.	Mean Wet-bulb Temperature	26.3°C
18.	Mean Relative humidity	
	At 8.30 hrs.	66%
	At 17.30 hrs.	50%
19.	Annual Rainfall	1445 mm/year
20.	Wind Load	In accordance with IS-875, for a basic wind speed of 44 m/s, up to a height of 10 meters above mean ground level.
21.	Seismic Zone	Zone-III as per IS- 1893 (latest edition)
22.	Pre-dominant Wind direction	From South-West

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VOLUME-IA PART – I CHAPTER – II

SCOPE OF WORKS

1.2 SCOPE OF WORKS

The scope of works to be executed at 3 x 800MW NLC Talabira TPP, as mentioned below, including supply of all labour, machineries, tools and plants. The scope of work is indicative but not limited to the given below.

1.2.1 The list of structures and buildings in the package is mentioned below.

AREAS OF WORK

1. Dismantling, removal, stacking of serviceable materials and disposal of debris of identified facilities/ structures/ substructures/ foundations of dismantled quarters/ buildings/ structures, reinforcement, pipes and any underground structure/ materials, debris etc. all complete.
2. Demolishing of all the existing facilities in the entire plant area in the enclosed drawings.
 - a. Plant area incl. compound wall area which include coal handling & main plant area and cooling tower area.
 - b. Utility area (Region 1) which include Eastern side of plant compound wall covering 4 lane approach road from northern boundary up to compound wall at southern boundary, CISF & ITI.
 - c. Utility area (Region 2) which include Northern side of plant compound wall, western side of plant compound wall, around raw water reservoir fencing as per plot Plan, remaining 4 lane approach road from southern end of Raw water reservoir up to proposed bridge approach ramp.
 - d. Area around the plant area, earmarked for Temporary Laydown area during construction.
 - e. Rain water collection ponds and pump house 1 & 2 on eastern & western side outside the project area
3. The existing facilities of any type including houses, buildings, schools, temple, electrical and plumbing lines, pond, boundary walls, etc. but not limited to the above.
4. All the debris/ scrap items of no. value shall be disposed off as directed by BHEL Engineer in charge within a lead of 3 km approx.

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5. Space for stacking dismantled items (after demolishing houses, building, school, pond etc.) including debris, rebar, structural items, pipes, pumps etc. shall be identified by the bidder within the plant Premises. The location for stacking of dismantled items shall be decided in consultation with Engineer in charge.
6. The Contractor shall deploy suitable mechanical cutting tools and equipments to dismantle the buildings.
7. All dismantled reinforced concrete members shall be broken into required pieces and the rebar to be segregated from the concrete structure and the rebar retrieved shall be stacked in the location identified.
8. All gold, silver, oil, minerals, archaeological and other findings of importance, trees cut or other materials of any description and all precious stones, coils, treasures, relics, antiquities and other similar things which may be found in or upon the site shall be the property of the NLCIL and the contractor shall collect these and duly deliver them to the BHEL for handing over to NLCIL.
9. Drawings for existing facilities are not available. Bidder may assess the same as per actual site conditions without any additional time and cost implication.
10. Dismantling shall be done as per the instruction of Engineer in charge.
11. Wherever underground structures are dismantled, excavated and removed, refilling can be done only after obtaining clearance from BHEL Engineer in charge.
12. Wherever demolition has happened, the demolished area to be cleared of all debris & excavated materials, filled, levelled and neatly finished and handed over to BHEL.
13. It is the responsibility of the contractor for the security and custody of the serviceable materials recovered during dismantling of the Structures. It shall be the sole responsibility and liability of the successful bidder i.e. the contractor to ensure compliance to the local laws and regulations regarding dismantling of the Structures and cartage of the dismantled materials including their storage.
14. Deployment of Survey equipments required for measurements at site is in scope of contractor without any additional time and cost implication.

15. Detailed Scope of work

Demolishing of the all existing structures by manual/ mechanical means using suitable cutting tools, equipments, etc. including segregating and stacking of

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serviceable and disposal of unserviceable material as per direction of Engineer - in- charge. Please note the list is indicative but not limited to the given below.

- i. Demolition of following type of buildings. The scope of work involves dismantling of complete building involves materials/structures of any kind, incl. Framework of building, brickwork, wall & partitions, flooring, Doors & Windows and their frames, fencing/ compound wall around the building. structure, roof/ roof sheeting, false ceiling, electrical, pipes, pumps, etc. all complete above and below the ground level. Dismantling of all underground structures pertaining to the buildings/ structures incl. footing/ foundations for compound wall around the building.
 - a. Buildings made of RCC and brick walls
 - b. Buildings with lean roof constructed using terracotta roof tiles
 - c. Buildings with lean roof constructed using GI or asbestos sheets
 - d. Buildings of any other type
- ii. Demolishing all Miscellaneous R.C.C./ P.C.C works above or below ground as per direction of Engineer - in- charge.
- iii. Demolishing Miscellaneous Steel works including stacking of steel as per direction of Engineer - in- charge.
- iv. Dismantling pipes of any material and any diameter whether underground or over ground including excavation, dismantling of the pipe support arrangement if any like pedestal, etc., breaking lead caulked joints (as required), melting of lead (as required) and making into blocks including stacking of pipes.
- v. Refilling the excavated areas during removal of foundation/ excavated areas/ trenches upto ground level after taking out the pipes with earth upto natural ground level around the building Refilling of the shall be paid under relevant item. This scope includes Earthwork in Backfilling upto any depth below ground level upto ground level surrounding the structure with compulsorily excavated earth/approved excavated material from the area within project area and compacted including watering, ramming/ compaction by manual/ mechanical means, dressing etc. all complete for the following. Excavation work for making available approved excavated material (required for back filling) from area identified within project premises as per direction of engineer - in – charge.

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- vi. Carriage of serviceable or unserviceable by mechanical means, including loading, transporting, unloading to a location as approved by Engineer-in-charge.
- vii. The area of work shall be cleared of all vegetation, rubbish and other objectionable matter and materials removed shall be burnt or otherwise disposed of as directed by the Engineer-in-Charge.

Exclusions

- i. Dismantling of embankment of water bodies
- ii. Tree cutting
- iii. Road dismantling

Note: The above provided list is indicative only for the bidder's guideline. Any other building/ structure/ foundation not mentioned above, but required to be demolished for completion of the package in total, deemed to have been included in the bidder scope under this contract. Such work will be executed under this contract by bidder as per the direction of Engineer in charge.

- 1.2.2 The responsibility for carrying out the work and the methods to be adopted for dismantling work under this contract shall rest solely with the contractor subject always to the approval by the BHEL engineer incharge. However, such approvals shall not be relieving the contractor in any way of his responsibilities for the execution of the work as per contract.
- 1.2.3 Both mechanical and manual means shall be adopted in dismantling of the Structures. All necessary tools, tackles, transport, manpower safety arrangement, safety gadgets, safety appliances etc. as required in satisfactory and safe completion of job shall be arranged by the contractor at his cost.
- 1.2.4 The works to be performed under this contract consist of providing all labour, supervision, material, scaffolding, equipment's, tools and plants, temporary works, supplies including fuel (Petrol, Oil, Lubricants - POL), lubricants, transportation, all incidental items and everything whether of permanent or

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temporary nature not shown or specified but reasonably implied or necessary for the proper completion of work in all respects.

- 1.2.5 All the work areas shall be adequately flood lighted to the satisfaction of the Engineer-in-Charge when the work is in progress during the night shifts.
- 1.2.6 The contractor shall provide and maintain at his own expense all lights, guards, fencing and watching when and where necessary or required by the BHEL Engineer for the protection of the Works or for the safety and convenience of those employed on the Works or the public.
- 1.2.7 Bidder to follow the guideline for safety requirements and BHEL HSE plan enclosed along with the tender document and comply to the same.
- 1.2.8 All fossils, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered on the site shall be the absolute property of BHEL's client and the Contractor shall take reasonable precautions to prevent his workmen or any other person from removing or damaging any such article or thing and immediately upon discovery thereof and before removal, acquaint the BHEL Engineer with such discovery and carryout the BHEL Engineer's directions for handing over the same to NLCIL.
- 1.2.9 The bidder should fully apprise himself of the prevailing conditions at the proposed site and in and around the plant premises, together with all the statutory, obligatory, mandatory requirements of various authorities before submission of the bid. The bidder shall also apprise himself of the climatic conditions including monsoon pattern, local conditions, soil strata and site specific parameters and shall include for all such conditions and contingent measures in the bid, including those which may have not been specifically brought out in the specifications.
- 1.2.10 Bidders are requested to have pre-bid visit/ inspection of site to make them fully acquainted with the site situation & nature of job. No claim shall be entertained at later date on account of non-familiarization of site conditions.

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Hence, the intending bidder/contractor shall be deemed to have visited the site while submitting his tender/offer. BHEL shall have no liability or entertain any claim of the contractor on act of omission, ignorance or overlooking by him.

1.2.11 Special arrangements to be made for tackling pandemic –

1.2.11.1 Government order (state/ center) being issued time to time for protective measures of COVID-19 pandemic shall be complied with strictly until government (state/ center) declares end of pandemic.

1.2.11.2 Contractor shall make arrangements for implementation of STANDARD OPERATING PROTOCOL (SOP) as per latest government order. Any person violating the COVID -19 measures published vide government order time to time will be liable to be proceeded for legal action as per the government order.

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VOLUME-IA PART - I CHAPTER - III

FACILITIES & CONSUMABLES IN THE SCOPE OF CONTRACTOR/ BHEL

1.3 FACILITIES & CONSUMABLES IN THE SCOPE OF CONTRACTOR/ BHEL

1.3.1 PART I (SCOPE MATRIX) – SITE FACILITIES

SL.NO	DESCRIPTION - PART I	SCOPE TO BE TAKEN CARE BY		REMARKS
		BHEL	BIDDER	
1.3.1.1	ESTABLISHMENT			
1.3.1.1.1	FOR CONSTRUCTION PURPOSE			
A	Open space for office	Yes		Free of cost as provided by NLCIL on as is where is basis
B	Open space for storage	Yes		Free of cost as provided by NLCIL on as is where is basis
C	Construction of bidder's office, canteen and storage building, including supply of materials and other services		Yes	At bidder's own cost
D	Bidder's all office equipments, office/ store/ canteen consumables		Yes	At bidder's own cost
E	Canteen facilities for the bidder's staff, supervisors and engineers etc.		Yes	At bidder's own cost
F	Firefighting equipments like buckets, extinguishers etc.		Yes	At bidder's own cost
G	Development of land provided for office, storage, fabrication yard, etc.		Yes	At bidder's own cost
H	Fencing of storage area, office, canteen, etc. of the bidder		Yes	At bidder's own cost
1.3.1.1.2	FOR LIVING PURPOSES OF THE BIDDER			

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SL.NO	DESCRIPTION - PART I	SCOPE TO BE TAKEN CARE BY		REMARKS
		BHEL	BIDDER	
A	Open space		Yes	To be arranged by Bidder at his own cost
B	Living accommodation		Yes	At bidder's own cost
1.3.1.2	ELECTRICITY			
1.3.1.2.1	Electricity for construction purposes		Yes	At bidder's own cost
1.3.1.2.1.1	Single point source		Yes	At bidder's own cost
1.3.1.2.1.2	Further distribution for the work to be done which include supply of materials and execution		Yes	At bidder's own cost
1.3.1.2.2	Electricity for the office, stores, canteen, labour hutments, etc. of the bidder which include:		Yes	At bidder's own cost
1.3.1.2.2.1	Distribution from single point including supply of materials and service		Yes	At bidder's own cost
1.3.1.2.2.2	Supply, installation and connection of material of energy meter including operation and maintenance		Yes	At bidder's own cost
1.3.1.2.2.3	Duties and deposits including statutory clearances for the above		Yes	At bidder's own cost
1.3.1.2.2.4	Demobilization of the facilities after completion of works		Yes	At bidder's own cost
1.3.1.2.3	Electricity for living accommodation of the bidder's staff, engineers, supervisors etc.		Yes	At bidder's own cost
1.3.1.3	WATER SUPPLY			
1.3.1.3.1	For construction purposes	Yes		Free of charges
1.3.1.3.1.1	Making the water available at single point		Yes	At bidder's own cost
1.3.1.3.1.2	Further distribution as per the requirement of work including supply of materials and execution		Yes	At bidder's own cost

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SL.NO	DESCRIPTION - PART I	SCOPE TO BE TAKEN CARE BY		REMARKS
		BHEL	BIDDER	
1.3.1.3.2	Water supply for bidder's office, stores, canteen, etc.		Yes	At bidder's own cost
1.3.1.3.2. 1	Making the water available at single point		Yes	At bidder's own cost
1.3.1.3.2. 2	Further distribution as per the requirement of work including supply of materials and execution		Yes	At bidder's own cost
1.3.1.3.3	Water for living accommodation of the bidder's staff, engineers, supervisors etc.		Yes	At bidder's own cost
1.3.1.4.0	LIGHTING			
1.3.1.4.1	For construction work (supply of all the necessary materials) At office storage area At the preassembly area At the construction site / area		Yes	At bidder's own cost
1.3.1.4.2	For construction work (Execution of the lighting work / arrangements) At office storage area At the preassembly area At the construction site /area At the labour hutment		Yes	At bidder's own cost
1.3.1.5.0	COMMUNICATION FACILITIES for site operations of the bidder			
1.3.1.5.1	Telephone, Fax, internet, intranet, email etc.		Yes	At bidder's own cost

1.3.2 PART II (SCOPE MATRIX) - EXECUTION

SL.NO	DESCRIPTION PART II	SCOPE TO BE TAKEN CARE BY		REMARKS
		BHEL	BIDDER	
1.3.2.1	EXECUTION			
1.3.2.1.1	Preparation of site schedules		Yes	

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SL.NO	DESCRIPTION PART II	SCOPE TO BE TAKEN CARE BY		REMARKS
		BHEL	BIDDER	
1.3.2.1.2	Review of performance (Form-14) and revision of site schedules in order to achieve the end dates and other commitments	Yes	Yes	In consultation with BHEL, As per requirement of BHEL targets
1.3.2.1.3	Weekly schedules based on SI No 1.3.2.1.1		Yes	
1.3.2.1.4	Daily work plan based on SI No 1.3.2.1.3		Yes	For daily monitoring meeting at site
1.3.2.1.5	Periodic visit of the senior official of the bidder to site to review the progress so that work is completed as per schedule. It is suggested this review by the senior official of the bidder should be done once in every two months.		Yes	

1.3.3 OPEN SPACE:

To establish a temporary site office and storage area at the job site, Open space shall be provided as given by NLCIL on as is where is basis. The contractor has to plan and use the existing land for storage of plant machineries and materials. Land will be allocated with certain time frame and to the extent available/ considered necessary, and will be reviewed by BHEL depending upon the area availability. Area within and around the plant area for office, storage area, etc. for construction purpose shall be provided on as is where is basis as provided by NLCIL and as per availability, free of cost. Security of stores & work place shall be in Contractor's scope. The contractor will be responsible for handing back all lands, as handed over to him by BHEL.

BHEL shall not provide to the contractor any residential accommodation to any of his staff and the contractor has to make his own arrangements at his cost.

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Bidder has to identify their own land for labour colony if any required and no land will be given by BHEL for labour colony purpose.

1.3.4 **ELECTRICITY:**

- 1.3.4.1 Contractor has to make his own arrangement for Construction Power at his own cost to have uninterrupted work. Any duty, deposit involved in getting the Electricity shall be borne by the bidder. As regards to contractor's office shed also, all such expenditure shall be borne by the contractor. Contractor may make his own arrangement for power supply through deployment of adequate number of DG sets if required, at their cost.
- 1.3.4.2 All temporary wiring must comply with local regulations and relevant Indian Electricity Act/Rules and will be subject to the BHEL/NLCIL's inspection and approval before connection to supply and later. The contractor shall be responsible to provide complete distribution observing the safety rules laid down by electrical authority of the State / BHEL / their customer with appropriate statutory requirements.
- 1.3.4.3 Contractor has to make his own arrangements for electricity requirement for his labour colony, at his own cost.

1.3.5 **WATER:**

- 1.3.5.1 Water (Raw water) required for site requirements shall be drawn from the Bhedan river at a point where mutually agreed with BHEL Engineer in charge. The required pumps & accessories, pipes for drawing water from the given point and further distribution will be arranged by the contractor at their cost to go on without interruptions.
- 1.3.5.2 In case of non-availability of water, the contractor shall make his own arrangements of water suitable for construction purpose to have uninterrupted work. No separate payment shall be made for any contingency arrangement made by contractor.

1.3.6 **CONSUMABLE**

- 1.3.6.1 All consumables required for the scope of work, shall be arranged by the contractor at his cost unless otherwise specifically mentioned in the contract.

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1.3.6.2 In the event of failure of contractor to bring necessary and sufficient consumables, BHEL may arrange for the same at the risk and cost of the contractor. The entire cost towards this along-with overhead shall be paid by the contractor or deducted from the contractor's bills.

1.3.7 LIGHTING FACILITY:

Adequate lighting facilities such as flood lamps, hand lamps and area lighting shall be arranged by the contractor at the site of work and contractor's storage area etc. at his cost.

1.3.8 CONTRACTOR'S OBLIGATION ON COMPLETION:

On completion of work, all the temporary buildings, structures, pipe lines, cables etc. shall be dismantled and leveled and debris shall be removed as per instructions of BHEL by the contractor at his cost. In the event of his failure to do so, the expenditure towards clearance of the same will be recovered from the contractor. The decision of BHEL Engineer in this regard is final

1.3.9 DEWATERING

Contractor shall ensure at all times that his work area & approach/ access roads are free from accumulation of water, so that the materials are safe and the progress schedule are not affected. No separate claim in this regard shall be admitted by BHEL. No separate payments for dewatering of subsoil, surface water or catchments water, if required, at any time during execution of the work including monsoon period shall be considered by BHEL.

1.3.10 BID DRAWINGS

Tentative Plot plan drawing & the site grading layout drawing are enclosed for information and this may get revised during execution.

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VOLUME-IA PART – I CHAPTER – IV

T&PS TO BE DEPLOYED BY CONTRACTOR

1.4 T&PS TO BE DEPLOYED BY CONTRACTOR

- 1.4.1 All the tools and plants required for satisfactory completion of the work have to be arranged by the contractor.
- 1.4.2 The contractor is required to arrange the following tentative Major T&Ps and other T&Ps for the satisfactory completion of the work

S NO	T&P ITEMS	MOBILIZING TIME PROGRESSIVELY FROM THE DATE OF START OF WORK
1	Excavator Poclain CK90 or equivalent	As per BHEL requirement at site.
2	JCB/ Back hoe cum loader	As per BHEL requirement at site.
3	Dumper/ Tipper	As per BHEL requirement at site.
4	Excavator with Hydraulic concrete Breaker/Jaw Crushing Attachment	As per BHEL requirement at site.
5	Jack Hammers	As per BHEL requirement at site.
6	Crane of required capacity	As per BHEL requirement at site.
7	Gas cutting equipment/sets	As per BHEL requirement at site.
8	Total station	As per BHEL requirement at site.
9	Scaffolding pipes	As per BHEL requirement at site.

Note:

1. T&P shown in the above mentioned list is tentative/ indicative requirement considering parallel working in all areas and neither exhaustive nor limiting. However, mobilization schedule/ number as mutually agreed at site for major T&Ps, have to be adhered to. Numbers/ time of requirement of T&Ps will be reviewed time to time by BHEL site and contractor will provide required T&P/ equipment's to ensure completion of entire work within schedule/target date of completion without any additional financial implication to BHEL. Vendor will give advance intimation & certification

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regarding capacity etc. prior to dispatch of heavy equipment's. Also on completion of the respective activity, demobilization of T&P in total or in part can be done with the due approval of engineer in charge. Retaining of the T&P's during the contract period will be mutually agreed in line with construction requirement.

2. All T&P which are required for successful and timely execution of the work covered within the scope of this tender, shall be arranged and provided by the contractor at his own cost in working condition.
3. In the event of non-mobilization of any T&P by the successful bidder and as a result progress of work suffered, BHEL reserves the right to engage required T&P in line with SCC clause no. 4.2.1.7.
4. In the event of need of change of type of any of major T&Ps, approval shall be taken from BHEL Engineer in-charge prior to mobilization. The decision of Number of T&P required due to replacing the enlisted T&P as per above table, shall be taken after analyzing the capacity and suitability of both the T&Ps.
5. Clause no. 1.6.1. of this specification (i.e. TCC) may please be referred for date of start of work.

- 1.4.3 In addition to the above, any other tools and plants required for execution of the above work are in contractor's scope.
- 1.4.4 Contractor shall have at all times experienced operators and technicians for routine and breakdown maintenance of the equipment. Any delay in rectification of defects will warrant BHEL rectifying the defect and charging the cost to the contractor.
- 1.4.5 In construction projects of this magnitude it is possible that all the areas/ approaches may not be ready. In such cases consolidation of ground/ temporary approaches including arrangement of sleepers/ sand bag filling etc. for safe operation and movement of equipment including cranes / trailers/ tippers etc. shall be the responsibility of the contractor at his cost. No compensation on this account shall be payable.
- 1.4.6 In case the contractor fails to provide any T&P which is in the scope of contractor and if BHEL provides such T&P or higher capacity T&P as

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available with BHEL, hire charges prevailing (as per BHEL norms) as on that day will be recovered from the contractor as per the prevailing BHEL Corporate Crane hire charges (may vary from time to time). This may get revised further as per the BHEL corporate guidelines. However, prevailing rates as on date of execution may be applicable.

- 1.4.7 Crane operators, deployed by the contractor shall be tested by BHEL before they are allowed to operate the cranes.

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VOLUME-IA PART – I CHAPTER – V

T&PS PROVIDED BY BHEL ON SHARING BASIS

1.5 T&PS PROVIDED BY BHEL ON SHARING BASIS

BHEL shall not provide any T & Ps for this scope of work. All the tools and plants required for execution of the above work are in contractor's scope.

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VOLUME-IA PART – I CHAPTER-VI

TIME SCHEDULE

1.6 TIME SCHEDULE

1.6.1 After receipt of letter of award, Contractor shall discuss with Construction Manager regarding initial mobilization. Contractor shall mobilize necessary resources within 1 week of issue of LOA or as per the directive of Construction Manager. Such resources shall be progressively augmented to match the schedule of milestones as directed by BHEL Engineer.

1.6.2 COMMENCEMENT OF WORK

1.6.2.1 The date of Commencement of Contract Period (Zero Date) shall be date of handing over of site to contractor for commencement of work and shall be certified by the BHEL Engineer.

1.6.3 COMPLETION SCHEDULE

The entire work of Dismantling work shall be completed within **10 (Ten) months** from the date of commencement of contract period. During the total period of contract, the contractor has to carry out the activities in a phased manner as per requirement of project and milestone activity.

1.6.4 MOBILISATION

1.6.4.1 The Contractor has to subsequently augment his resources in such a manner to achieve the completion schedules.

1.6.4.2 The above time allowed for completion of work including Sundays and Holidays is from the date of commencement of work. Detailed program to be prepared by the tenderer taking in to consideration of the completion schedules /site decision on drawings flow (latest) and submitted for BHEL's approval.

1.6.4.3 In order to meet above schedule in general, and any other intermediate targets set, to meet customer/ project schedule requirements, contractor shall arrange & augment all necessary resources from time to time on the instructions of BHEL within the quoted PRICE.

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1.6.4.4 In case the project is to be advanced, the scope of works in the scope of the contractor is to be advanced to meet the project requirement. No extra payment whatsoever shall be paid on this account.

1.6.5 SUBMISSION OF DETAILED SCHEDULE

The contractor shall submit a detailed area wise dismantling schedule within 15 days in consultation with BHEL. The detailed schedule shall be approved by BHEL and same shall be implemented. the schedule shall be acceptable to BHEL for meeting their mile stone targets/schedule.

1.6.6 GUARANTEE PERIOD

Guarantee period is not applicable.

1.6.7 RECORDS TO BE MAINTAINED AT SITE

The under mentioned Records/ Log-books/ Registers applicable to be maintained.

1.6.7.1 Hindrance Register.

1.6.7.2 Site Order Book.

1.6.7.3 Test Check of measurements.

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VOLUME-IA PART – I CHAPTER-VII

TERMS OF PAYMENT

1.7 TERMS OF PAYMENT

1.7.1 SECURED RECOVERABLE ADVANCES

Not applicable

1.7.2 INTERIM PAYMENT

- 1.7.2.1 Interim bills in the form of monthly running bills prepared by the contractor in soft as well as Hard copies shall be based on the quantities executed and measured.
- 1.7.2.2 Contractor shall prepare billing break up in consultation with BHEL Engineer and submit the same for approval of BHEL Engineer In-charge.
- 1.7.2.3 100% payment on pro-rata basis for the work completed, as per approved billing break up, shall be released after completion of works and certification by Engineer in charge. However, Retention amount as per GCC shall be applicable from the above 100% value.
- 1.7.2.4 All admissible deductions shall be made from the above 100% value.

1.7.3 ROYALTY/ SEIGNIORAGE CHARGES

Royalty/ seigniorage charges (if any) for excavation inside plant premises, if applicable, as per Govt. of Odisha shall be reimbursable to the bidder by BHEL for the quantum of earth work done on submission of necessary documentary evidence as proof of payments/ challans as required by BHEL for reimbursement by the contractor for making such payments as per statutory provisions and this reimbursement shall be over and above the contract price.

1.7.4 METHOD OF MEASUREMENT

Mode of measurement shall be as per relevant IS 1200 in conjunction of IS code 3385. In case the same is also not available, the standard procedure adopted in CPWD shall be adopted. In case, the same is also not available in CPWD, the measurement of the work done will be based on the mutual agreement between BHEL and contractor. In all the above cases, the interpretation of BHEL will be final and binding to the contractor.

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Measurement guidelines as a ready reference is also available in the technical specification.

1.7.5 NO CLAIM WHAT SO EVER MAY BE, WILL BE ENTERTAINED UNDER THIS CONTRACT, AFTER DULY SIGNING THE FINAL BILL ALONG WITH MEASUREMENT BOOKS AND ACCEPTED BY BHEL.

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VOLUME-IA PART – I CHAPTER – VIII

PROGRESS OF WORK

1.8 PROGRESS OF WORK AND MONITORING OF WORK

The scope of the work will comprise of following but not limited to the following:

- 1.8.1 Refer forms F -14 to F-18 of volume I D of volume -I book-II. Plan and review will be done as per the formats.
- 1.8.2 Contractor is required to draw mutually agreed monthly programs in consultation with BHEL well in advance monthly as per the Form-14. Contractor shall ensure achievement of agreed program and shall also timely arrange additional resources considered necessary at no extra cost to BHEL. Progress review meetings will be held at site during which actual progress during the week vis-a-vis scheduled program shall be discussed for actions to be taken for achieving targets. Contractor shall also present the program for subsequent week. The contractor shall constantly update/ revise his work program to meet the overall requirement. All site issues shall also be discussed during above review meetings. Necessary preventive and corrective action shall be discussed and decided upon in such review meetings and shall be implemented by the contractor in time bound manner so as to eliminate the cause of nonconformities.
- 1.8.3 The contractor shall submit daily, weekly and monthly progress reports, manpower reports, T&Ps availability report and other reports as per Performa considered necessary by the Site Engineer as per the BHEL formats.
- 1.8.4 The contractor shall submit weekly/ fortnightly/ monthly statement report regarding consumption of all consumables for cost analysis purposes.
- 1.8.5 The monthly report ending on 24th of every month shall be submitted as a booklet and shall contain the following details:
 - a) Colour Progress photographs to accompany the report should be submitted.
 - b) Work progress in terms of quantity completed as relevant to the respective work areas against planned.

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- c) Site Organization chart of Contractor staff as on 24th of the month with further mobilization plan
- d) Category-wise man hours engaged during the previous month.
- e) Consumables report giving consumption of all types during the previous month.
- f) Availability report of T&Ps
- g) Safety implementation report in the format
- h) Pending inputs required from BHEL for activities planned during the subsequent month.

1.8.6 The manpower reports shall clearly indicate the manpower deployed, category wise specifying also the activities in which they are engaged.

1.8.7 During the course of work, if the progress is found unsatisfactory, or if the target dates fixed from time to time for every milestone are to be advanced, or in the opinion of BHEL, if it is found that the workmen employed are not sufficient, BHEL will induct required additional workmen to improve the progress and recover all charges incurred on this account including all expenses together with BHEL overheads from contractor's bills.

1.8.8 It is the responsibility of the contractor to provide all relevant information on a regular basis regarding work progress, labour availability, equipment deployment, etc.

1.8.9 The progress reports shall indicate the progress achieved against plan, indicating reasons for delays, if any. The report shall also give remedial actions which the contractor intends to make good the slippage or lost time so that further works can proceed as per the original plan the slippages do not accumulate and affect the overall programme.

1.8.10 The contractor to reflect actual progress achieved during the month and will be submitted to BHEL, so that slippages can be observed and necessary action taken in order to ensure that the situation does not get out of control will update the work schedule forming part of this contract each month.

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VOLUME-IA PART -I CHAPTER -IX

BILL OF QUANTITY

1.9 BILL OF QUANTITY

- 1.9.1 Bidders shall only quote “Total Lumpsum amount” in the format given in the price bid. The “Total Lumpsum amount” is for the entire scope of work.
- 1.9.2 Contractor shall prepare billing break up in consultation with BHEL Engineer and submit the same for approval of BHEL Engineer Incharge. Though the work is being tendered on lumpsum price basis, the payment shall be effected only based on the billing break up to the extent of work executed.
- 1.9.3 Payment shall be made for the actual quantities of work executed at the unit rate arrived as per the billing break up approved by BHEL. The payment for the quantity of work not executed, shall not be made. However, in any case, the total payment for the tendered scope of work shall not exceed the total lumpsum amount quoted by the Bidder.
- 1.9.4 Quantity variation shall be as per GCC Clause no. 2.14 & modification in GCC mentioned in the tender.

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VOLUME-IA PART –I CHAPTER -X

TAXES & DUTIES

1.10.1 All taxes and duty other than GST & Cess, BOCW Cess and Royalty

The contractor shall pay all (except the specific exclusion viz GST &Cess, BOCW Cess and Royalty all of which are dealt with separately) taxes, fees, license charges, deposits, duties, tools, commissions, Stamp Duties, or other charges /levies, which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract and the same shall not be reimbursed by BHEL. In case BHEL is forced to pay any of such taxes, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit.

1.10.2 Goods and service Tax (GST)

For GST Registered bidder:

1.10.2.1 The successful bidder shall furnish proof of GST registration under GST Law covering the supply and services under this contract. Registration should also bear endorsement for the premises from where the billing shall be done by the successful bidder on BHEL for this project/ work. The bidder to specify in their offer the category of registration under GST i.e. Regular dealer or composite dealer.

1.10.2.2 Bidder's price/rates shall be exclusive of GST & GST Compensation Cess (herein after termed as GST).

1.10.2.3 Vendor / Contractor require to ensure that all benefits as per existing laws have after termed as GST)

1.10.2.4 Price quoted by the composite dealer shall be considered as inclusive of GST. In the event of any change in the status of vendor / Contractor from composite to regular dealer after the submission of the bid but before completion of supply of services or goods, Contract value shall be amended to remove the embedded GST and any ITC benefit arising due to change of status, which shall be passed on to BHEL. GST paid on the amended contract value shall be reimbursed at actuals against the Tax invoice if BHEL is able to take input tax credit. However, no reimbursement of GST shall be made if BHEL is not able to take input tax credit. The decision of BHEL in this regard will be final and binding on the vendor/contractor.

1.10.2.5 It is the responsibility of the vendor / contractor to adhere to all the provisions of E- Invoicing under GST Act (if applicable). As per the E-Invoicing provisions vendor / Contractor has to generate IRN and QR Code from the E-Invoicing system and the same need to be printed in the invoice submitted to their customer. Invoices that do not comply to the above requirements, will not be

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accepted by BHEL. If the successful Bidder is not falling under the preview of E-Invoicing, then he has to submit a declaration in that respect along with relevant financial statements. However, applicability of E-invoicing, shall be verified from the E-Invoicing portal on submission of vendor / Contractor GSTN. BHEL shall reimburse GST only if all the provisions of E-invoicing are complied with.

1.10.2.6 It is the responsibility of the vendor/ Contractor to issue the Tax Invoice strictly as per the format prescribed under the GST Act within the prescribed time period in order to enable BHEL to avail input tax credit within the due date. Invoices shall be submitted on time to the concerned BHEL Engineer In Charge. Tax invoice should also contain below details.

- a. Contractor Name and Contact details.
- b. GST No of Contractor
- c. PAN No of Contractor
- d. Document Type: Tax Invoice/ Debit Note/ Credit Note
- e. Category: B2B / B2C (B2B is only applicable w.r.t BHEL)
- f. Customer Name and Contact details / Bill To Details (as mentioned below)
- g. Unique Tax Invoice Number
- h. Invoice Date
- i. IRN No, QR Code, Acknowledgment No and Acknowledgment Date generated from E-Invoice Portal as per E-invoicing provisions under GST Act (If applicable)
- j. Place of Supply (as mentioned below)
- k. Description of service provided
- l. 8 Digit SAC code
- m. GST Rate
- n. Gross value of Invoice
- o. Taxable Value
- p. Tax / GST Amount
- q. Total Invoice value including GST.

Above are inclusive and not exhaustive list of requirements.

1.10.2.7 Bidder should mention the “Bill To “and “Place of supply” as below in the Tax Invoice

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Bill To: Location of BHEL Site office

-----, -----

State: -----

GSTN of BHEL: -----

Place of Supply: Location of BHEL Site office

-----, -----

State: -----

GSTN of BHEL: -----

(Above details will be given later, contractors may contact BHEL, PSSR before billing)

1.10.2.8 The amount equivalent to the GST amount shall be withheld from the vendor / contractor payments towards non-compliance of GST/ Statutory provisions if below requirements are not satisfied:

a. Vendor / Contractor submitted original copy of Tax invoice /debit note as per the prescribed format under the GST act within the prescribed time period in order to enable BHEL to avail input tax credit within the due date.

b. The details of the invoice or debit note referred to in clause (a) has been furnished/filed by the Vendor/ Contractor in the statement of outward supplies (presently in GSTR1 or IFF) and such details get reflected in the BHEL GST login (Presently in GSTR 2B) in the manner specified under GST Act.

c. Details of vendor/contractor invoice reflected in BHEL GST login should match with the details in the tax invoice submitted by the vendor/contractor (Like Invoice no, Invoice date, GSTN, Place of supply).

d. The tax charged in the invoice /debit note referred to in clause (a) has been has been actually paid to the Government, either in cash or through utilization of input tax credit admissible by the Vendor/ Contractor.

1.10.2.9 In case, any GST credit is delayed/denied to BHEL or BHEL has to incur any liability (like interest / penalty) due to non/delayed receipt of goods or submission of tax invoice after the expiry of timeline prescribed in the relevant GST Act for availing ITC, or any other reasons not attributable to BHEL, Then the same shall be recovered from the vendor/contractor along with interest levied/ leviable on BHEL.

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1.10.2.10 GST shall be levied on recoveries, wherever applicable and same shall be recovered from payments. BHEL shall issue / raise Tax invoice on contractor/vendors for such recoveries.

1.10.2.11 E-way bills / Transit passes / Road Permits, if required for materials / T&P etc., bought into the project site is to be arranged by the Vendor / Contractor themselves. BHEL shall not issue or raise any Road Permit/ E- Way Bill for this purpose. Any claim or demand raised by the GST department for non- generation / non submission of E-way bill shall be to the contractor/ vendor account.

1.10.2.12 BHEL shall not reimburse any expenditure incurred by the contractor towards demand, additional liability or interest / penalty etc., raised by the GST department due to issues such as wrong rates / wrong classification of services or goods.

1.10.2.13 Where GST is payable by BHEL under reverse charge basis, any demand raised or any interest or penalty levied / leviable by the GST department due to non-submission or delayed submission of invoice by the contractor or for any other reason not attributable to BHEL, the same shall be recovered from the vendor/contractor.

1.10.2.14 Tax Deduction at Source (TDS) as per Sec 51 of the CGST Act shall be deducted (if applicable). GST TDS certificate in Form GSTR -7A shall be issued to be contractor. However, GST TDS certificate can be generated only if the contractor accepts the TDS details uploaded by BHEL and files his return. If any specific exemption from GST TDS is applicable to any contractor/vendor, then a declaration to that effect along with relevant documents as may be required by BHEL, substantiating such exemption in line with GST law provisions or notification, shall be submitted by the vendor/contractor.

For GST Unregistered bidder:

1.10.2.15 In case, bidder is not required to register under Goods and service Tax (GST) & Cess, the same is to be specified in the offer.

1.10.2.16 Successful bidder to furnish a Self-declaration that registration under GST is not required or not applicable as per the provisions of GST Law along with relevant document and provisions in the GST law.

1.10.2.17 In case BHEL has to incur any liability (like interest / penalty etc.) due to non-compliance of GST law in respect of the invoice submitted by the contractor, for the reasons attributable to the contractor, the same shall be recovered from the contractor.

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1.10.2.18 TDS under GST (as & when applicable) shall be deducted at prevailing rates on gross invoice value.

1.10.2.19 If RCM is made applicable at a later date, GST will be paid by BHEL to the department at applicable rate treating the quoted the price as inclusive of GST if BHEL is not able to take Input tax credit.

1.10.2.20 In the event of any change in the status of bidder from unregistered to registered under the GST law after the submission of bid but before the completion of supply of services or goods, the same need to be intimated and all the clauses applicable for Registered bidder need to be followed. The vendor/ contractor is required to pass on the ITC benefit arising due to change of status, to BHEL. Contract value shall be amended accordingly. GST paid on the amended contract value shall be reimbursed at actuals against the Tax invoice only if BHEL is able to take input tax credit.

1.10.3 Statutory Variations

1.10.3.1 BHEL shall pay statutory variation only for GST, and no other variations shall be payable

1.10.3.2 In general, Statutory variation for GST is payable to the Vendor/Contractor during the contract period including extension thereof. Further, for period beyond the contract period, BHEL will reimburse the actual applicable tax even if the same is higher than the amount applicable within the contractual period in case BHEL is able to take the input tax credit. However, the decision of BHEL in this regard will be final and binding on the vendor/contractor otherwise vendor/contractor has to bear the differential upward increase in tax and quoted price is to be adjusted accordingly

1.10.4 New Taxes/Levies

In case Government imposes any new levy / tax after submission of bid during the tenure of the contract, BHEL shall reimburse the same at actual on submission of documentary proof of payment subject to the satisfaction of BHEL that such new levy / tax is applicable to this contract. However, Contractor/ Vendor shall obtain prior approval from BHEL before depositing new taxes and duties.

Any benefits arise out of new tax levies and/or abolition of existing taxes must be passed on to BHEL.

The decision of BHEL in this regard will be final and binding on the vendor/contractor.

1.10.5 Direct Tax

1.10.5.1 Vendor/ Contractor is required to update himself on its own and comply with provisions of Indian Income Tax Act as notified from time to time. Purchaser

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shall not be liable towards liability of income tax accruing to the vendor/contractor of whatever nature including variations thereof, arising out of this Order/ Contract, as well as tax liability of the vendor/ Contractor and his personnel

1.10.5.2 Deductions of Tax at source as per Income Tax Act, at the prevailing rates shall be effected by the Purchaser before release of payment, as a statutory obligation, if applicable. TDS certificate will be issued by the Purchaser as per the statutory provisions. The Vendor/Contractor has to mention their Permanent Account Number (PAN) and GSTIN in all invoices.

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VOLUME-IA PART -I CHAPTER -XI

GENERAL

The scope of the work will comprise of but not limited to the following:

(All the works mentioned hereunder shall be carried out within the accepted rate unless otherwise specified.)

1.11.1 Successful Bidder is requested to furnish the following at PSSR-HQ Chennai immediately after release of Letter of Intent (LOI)

- i)Security Deposit
- ii)Unqualified Acceptance for LOI, Detailed LOI / Work Order.
- iii)Rs.100/- Stamp Paper for preparation of Contract Agreement.

1.11.2 Successful Bidder is requested to furnish the proof of documents for the following at the respective PSSR- Site

- i)PF Regn No.
- ii)Labour License No.
- iii)Workmen Insurance Policy No.

1.11.3 In addition to the clause 2.8 of General Conditions of Contract (Volume-1C of Book-II) the contractor shall comply with the following.

1.11.4 PROVIDENT FUND

1.11.4.1 The contractor is required to extend the benefit of Provident Fund to the labour employed by you in connection with this contract as per the Employees Provident Fund and Miscellaneous Provisions Act 1952. For due implementation of the same, you are hereby required to get yourself registered with the Provident Fund authorities for the purpose of reconciliation of PF dues and furnish to us the code number allotted to you by the Provident Fund authorities within one month from the date of issue of the letter of intent. In case you are exempted from such remittance an attested copy of authority for such exemption is to be furnished. Please note that in the event of your failure to comply with the provisions of said Act, if recoveries therefore are enforced from payments due to us by the customer or paid to statutory authorities by us, such amount will be recovered from payments due to you.

1.11.4.2 The final bill amount would be released only on production of clearance certificate from PF / ESI and labour authorities as applicable.

1.11.5 OTHER STATUTORY REQUIREMENTS

1.11.5.1 The Contractor shall submit a copy of Labour License obtained from the Licensing Officer (Form VI) u/r25 read with u/s 12 of Contract Labour (R&A) Act

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1970 & rules and Valid WC Insurance copy or ESI Code (if applicable) and PF code no. along with the first running bill.

1.11.5.2 The contractor shall submit monthly running bills along with the copies of monthly wages (of the preceding month) u/r78(1)(a)(1) of Contract Labour Rules, copies of monthly return of PF contribution with remittance Challans under Employees Provident Fund Act 1952 and copy of renewed WC Insurance policy or copies of monthly return of ESI contribution with Challans under ESI Act 1948 (if applicable) in respect of the workmen engaged by them.

1.11.5.3 The Contractor should ensure compliance of Sec 21 of Contract Labour (R&A) Act 1970 regarding responsibility for payment of Wages. In case of "Non-compliance of Sec 21 or non-payment of wages" to the workmen before the expiry of wage period by the contractor, BHEL will reserve its right to pay the workmen under the orders of Appropriate authority at the risk and cost of the Contractor.

1.11.5.4 The Contractor shall submit copies of Final Settlement statement of disbursal of retrenchment benefits on retrenchment of each workmen under ID Act 1948, copies of Form 6-A (Annual Return of PF Contribution) along with copies of PF Contribution Card of each member under PF Act and copies of monthly return on ESI Contribution – Form 6 under ESI Act 1948 (if applicable) to BHEL along with the Final Bill.

1.11.5.5 In case of any dispute pending before the appropriate authority under ID Act 1948, WC Act 1923 or ESI Act 1948 and PF Act 1952, BHEL reserve the right to hold such amounts from the final bills of the Contractor which will be released on submission of proof of settlement of issues from the appropriate authority under the act.

1.11.5.6 In case of any dispute prolonged / pending before the authority for the reasons not attributable to the contractor, BHEL reserves the right to release the final bill of the contractor on submission of Indemnity bond by the contractor indemnifying BHEL against any claims that may arise at a later date without prejudice to the rights of BHEL.

1.11.6 DEPLOYMENT OF SKILLED / SEMI-SKILLED TRADESMEN

The following clause is applicable in case the contract value / contract price is Rs. Five crores and above.

The contractor shall, at all stages of work deploy skilled / semi-skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute / Industrial Training Institute / National Institute of Construction Management and Research (NICMAR), National Academy of Construction, CIDC or any similar reputed and recognized Institute managed / certified by State / Central Government. The number of such qualified tradesmen shall not be less than 20% of total skilled / semi-skilled workers required in each trade at any stage of work. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from

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recognized Institute to Engineer-in-Charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Engineer-in-Charge. Failure on the part of contractor to obtain approval of Engineer-in-Charge or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate of Rs. 100 per such tradesman per day. Decision of Engineer-in-Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding.

1.11.7 Site Visit by the Bidder

1.11.7.1 The bidder shall, prior to submitting his tender for the work, visit, examine and acquire full knowledge & information and necessary conditions prevailing at the site and its surroundings of the plant premises together with all statutory, obligatory, mandatory requirements of various authorities about the site of works at his own expense, and obtain and ascertain for himself on his own responsibility that may be for preparing his tender and entering into a contract, and take the same into account in the quoted contract price for the work.

1.11.7.2 The bidder shall satisfy themselves about the following factors:

- i). Site conditions including access to the site, existing and required roads and other means of transport/communication for use by him in connection with the work including diverting and re-routing of services.
- ii). Requirement and availability of land and other facilities of his enabling works, establishment of his nursery, office, stores etc.
- iii). Ground conditions including those bearing upon transportation, disposal, handling and storage of materials required for the work or obtained there-from.
- iv). Source and extent of availability of suitable materials, including water etc., and labour (skilled and unskilled) required for work, and laws and regulations governing their use and employment.
- v). Geological, meteorological, topographical and other general features of the site and its surroundings as are pertaining to and needed for the performance of the work.
- vi). The limit and extent of surface and subsurface water to be encountered during the performance of the work, and the requirement of drainage and pumping.
- vii). The type of equipment and facilities needed, for and in the performance of the work;
- viii). The extent of lead and lift required for the work in complete form over the entire duration of the contract, and

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- ix). All other information pertaining to and needed for the work including information as to the risks, contingencies and other circumstances which may influence or affect the work or the cost thereof under this contract.
- 1.11.7.3 The bidder should note that information, if any, in regard to the local conditions, as contained in these tender documents, has been given to tenderer merely for guidance and is not warranted to be complete.
- 1.11.7.4 A bidder shall be deemed to have full knowledge of the site, whether he inspects it or not, and no extra charges consequent on any misunderstanding or otherwise shall be allowed.
- 1.11.7.5 The bidder and any of his personnel or agents will be granted permission by the Site-In-Charge or his authorized nominee, on receipt of formal application in respect thereof a week in advance of the proposed date of inspection of site, to enter upon his premises and lands for purpose of such inspection, but only on the express condition that the tenderer (and his personnel and agents) will relieve and indemnify the Employer (and his personnel and agents) from and against all liability in respect thereof and will be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused which, but for the exercise of such permission, would not have arisen.
- 1.11.8 The work covered under this specification is of highly sophisticated nature, requiring the best quality workmanship, engineering and construction management. The contractor must have adequate quantity of tools, construction aids, equipments etc., in his possession. He must also have on his rolls adequate trained, qualified and experienced supervisory staff and skilled personnel.
- 1.11.9 It is not the intent to specify herein all details of all material. Any item related to this work not covered by this but necessary to complete the system will be deemed to have been included in the scope of the work.
- 1.11.10 All the necessary certificates and licenses required to carry out this scope of work are to be arranged by the contractor then and there at no extra cost.
- 1.11.11 Site testing wherever required shall be carried out for all items / materials installed by the contractor to ensure proper installation and functioning in accordance with drawings, specifications and manufacturer's recommendations.
- 1.11.12 The contractor shall carry out additional tests, if any, which the Engineer feels necessary because of site conditions and also to meet system specification.
- 1.11.13 The work shall be executed under the usual conditions without affecting power plant construction / operation and in conjunction with other operations and contracting agencies at site. The contractor and his

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personnel shall co- operate with the personnel of other agencies, co-ordinate his work with others and proceed in a manner that shall not delay or hinder the progress of work as a whole.

- 1.11.14 All the work shall be carried out as per instructions of BHEL engineer. BHEL engineer's decision regarding the correctness of the work and method of working shall be final and binding on the contractor.
- 1.11.15 Wherever Construction sequences are furnished by BHEL, the contractor shall follow the same sequence. Contractor shall execute the supply and works as per sequence prescribed by BHEL at site engineer. No claims for extra payment from the contractor will be entertained on the grounds of deviation from the methods of execution of similar job in any other site or for any reasons whatsoever.
- 1.11.16 If required by BHEL, the contractor shall change the sequence of his operation so that work on priority sectors can be completed within the projects schedule. The contractor shall afford maximum assistance to BHEL in this connection without causing delay to agreed completion date.
- 1.11.17 Contractor shall, transport all materials to site and unload at site / working area for inspection and checking. All material handling equipment required shall be arranged by the contractor.
- 1.11.18 Contractor shall retain all T&P / Testing instrument / Material handling equipment's etc. at site as per advice of BHEL engineer and same shall be taken out from site only after getting the clearances from engineer in charge.
- 1.11.19 The contractor at his cost shall arrange necessary security measures for adequate protection of his machinery, equipment, tools, materials etc. BHEL shall not be responsible for any loss or damage to the contractor's construction equipment and materials. The contractor may consult the Engineer-in-Charge on the arrangements made for general site security for protection of his machinery equipment tools etc.
- 1.11.20 The Contractor may have to execute work in such a place and condition where other agencies also will be under such circumstances. However, completion time for construction, agreed will be subject to the condition that contractor's work is not hampered by the agencies.
- 1.11.21 Contractor has to work in close co-ordination with other agency at site. BHEL engineer will co-ordinate area clearance. In a project of such magnitude, it is possible that the area clearance may be less / more at a particular given time. Activities and Construction program have to be planned in such a way that the milestones are achieved as per schedule/ plans. Contractor shall arrange & augment the resources accordingly.
- 1.11.22 The contractor must obtain the signature and permission of the security personnel of the customer / BHEL for bringing any of their materials inside the site premises. Without the Entry Gate Pass these materials will not be allowed to be taken outside. Surplus materials including steel item brought

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at site by the contractors with proper documentation and Gate pass, shall be allowed to taken out of the project premises after completion of relevant works, on certification by BHEL in charge.

1.11.23 Contractor shall remove all scrap materials periodically generated from his working area and collect the same at one place earmarked for the same. Load of scraps is to be shifted to a place earmarked by BHEL. Failure to collect the scrap is likely to lead to accidents and as such BHEL reserves the right to collect and remove the scrap at contractor's risk and cost if there is any failure on the part of contractor in this respect.

1.11.24 The contractor shall ensure that his premises are always kept clean and tidy to the extent possible. Any untidiness noted on the part of the contractor shall be brought to the attention of the contractor's site representative who shall take immediate action to clean the surroundings to the satisfaction of the Engineer-in-Charge.

1.11.25 The contractor is strictly prohibited from using BHEL's regular components like angles, channels, beams, plates, pipe / tubes, and handrails etc. for any temporary supporting or scaffolding works. Contractor shall arrange himself all such materials. In case of such misuse of BHEL materials, a sum as determined by BHEL engineer will be recovered from the contractor's bill. The decision of BHEL engineer is final and binding on the contractor.

1.11.26 No member of the already erected structure / buildings, other component and auxiliaries should be removed / modified without specific approval of BHEL engineer.

1.11.27 Contractors shall ensure that all their Staff / Employees are exposed to periodical training programme conducted by qualified agencies/ personnel on latest ISO 9001 Standards.

1.11.28 Sometimes, it may be required to re-schedule the activities to enable other agencies to commence/ continue the work so as to keep the overall project schedule.

1.11.29 The terminal points decided by BHEL are final and binding on the contractor for deciding the scope of work and effecting the payment for the work done up to the terminals.

1.11.30 Crane operators deployed by the contractor shall be tested by BHEL before he is allowed to operate the cranes.

1.11.31 On Completion of work, all the temporary buildings, structures, pipe lines, cable etc. shall be dismantled and leveled and debris shall be removed as per instruction of BHEL by the contractor at his cost. In the event of his failure to do so, the expenditure towards clearance of the same will be recovered from the contractor. The decision of BHEL Engineer in this regard is final.

1.11.32 It is the responsibility of the contractor to do the checking, testing etc. if necessary, repeatedly to satisfy BHEL Engineer with all the necessary

TECHNICAL CONDITIONS OF CONTRACT (TCC)

tools and tackles, manpower etc. without any extra cost. The testing will be completed only when jointly certified so, by the BHEL Engineer.

1.11.33 If any item not covered but requires being executed, same shall be carried out by the contractor. Equivalent or proportional unit rate shall be considered wherever possible from the BOQ. The rates quoted by the contractor shall be uniform as far as possible for similar items appearing in rate schedule.

1.11.34 The contractor's work shall not hinder other work, either underground or over ground, such as electrical, phone lines, water or sewage lines, etc. In areas of overlap, the contractor shall work in coordination with other related contractors. Any damage by the landscape contractor's team to such utilities will be penalized and contractor shall be responsible for cost for such damages.

1.11.35 The contractor will be responsible for the safe custody and proper accounting of all materials in connection with the work. If the contractor has drawn materials in excess of design requirements, recoveries will be effected for such excess drawls at the rate prescribed by manufacturing units.

1.11.36 Contractor has to clear the front, expeditiously and promptly as instructed by BHEL Engineer for other agencies, like Boiler, piping, Turbine, Generator erection, Cabling, instrumentation, insulation etc., to commence their work from / on the equipments coming under this scope.

1.11.37 For the purpose of planning, contractor shall furnish the estimated requirement of power (month wise) for execution of work in terms of maximum KW demand.

1.11.38 RECORDS TO BE MAINTAINED AT SITE:

Record of Quantity of FREE/Chargeable items issued by BHEL must be maintained during contract execution. Also reconciliation statement to be prepared at regular intervals.

The under mentioned Records/ Log-books/ Registers applicable to be maintained.

- (i) Hindrance Register
- (ii) Site Order Book.
- (iii) Test Check of measurements.
- (iv) Steel & Cement Supply and Consumption Daily Register
- (v) Records of Test reports of Field tests.
- (vi) Records of manufacturer's test certificates.
- (vii) Records of disposal of scraps generated during and after the work completion.

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1.11.39 SITE INSPECTION

- 1.10.39.1 The Owner or his authorized agents may inspect various stages of work during the currency of the contract awarded to him. The contractor shall make necessary arrangements for such inspection and carry out the rectification pointed out by the Owner or his authorized agents without any extra cost to the Owner or his authorized agents. No cost whatsoever such duplication of inspection of work be entertained.
- 1.10.39.2 BHEL / Owner will have full power and authority to inspect the works at any time, either on the site or at the contractor's premises. The contractor shall arrange every facility and assistance to carry out such inspection. On no account will the contractor be allowed to proceed with work of any type unless such work has been inspected and entries are made in the site inspection register by Owner / BHEL.
- 1.10.39.3 The contractor shall maintain at site a joint protocol for recording actual measurement of work carried out at site, inspection and witnessing of various tests conducted by the contractor.
- 1.10.39.4 Field Quality Assurance (FQA) Formats: -
It is the responsibility of the contractor to collect and fill up the relevant FQA log sheets of BHEL and present the same to BHEL after carrying out the necessary checks as per the log sheets and obtaining the signature of BHEL and Owner as token of their acceptance. Payment to the contractor will be inked with the submission of these FQA log sheets.
- 1.10.39.5 Site testing wherever required shall be carried out for all items / materials installed by the contractor to ensure proper installation and functioning in accordance with drawings, specifications and manufacturer's recommendations.
- 1.10.39.6 Contractor shall, transport all materials to site and unload at site / working area for inspection and checking. All material handling equipment required shall be arranged by the contractor

1.10.40 BOCW Act & BOCW Welfare Cess Act

- 1.10.40.1 Contractor's price/rates shall be exclusive of BOCW Cess.
- 1.10.40.2 The Contractor should Register their Establishment under BOCW Act 1996 read with rules 1998 by submitting Form I (Application for Registration of Establishment) and Form IV (Notice Of Commencement / Completion of Building other Construction Work) to the respective Labour Authorities i.e.,
 - a. Assistant Labour Commissioner (Central) in respect of the project premises which is under the purview of Central Govt.–NTPC, NTPL etc.
 - b. Appropriate State authorities in respect of the project premises which is under the purview of State Govt.

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1.10.40.3 The Contractor should comply with the provisions of BOCW Welfare Cess Act 1996 in respect of the work awarded to them by BHEL.

1.10.40.4 The contractor should ensure compliance regarding Registration of Building Workers as Beneficiaries, Hours of work, welfare measures and other conditions of service with particular reference to Safety and Health measures like Safety Officers, safety committee, issue of Personal protective equipments, canteen, rest room, drinking water, Toilets, ambulance, first aid centre etc.

1.10.40.5 The contractor irrespective of their nature of work and manpower (Civil, Mechanical, Electrical works etc) should register their establishment under BOCW Act 1996 and comply with BOCW Welfare Cess Act 1996.

1.10.40.6 Contractor shall make remittance of the BOCW cess as per the Act in consultation with BHEL as per the rates in force (presently 1%). BOCW remittance should be made only after obtaining prior consent from BHEL. BHEL shall reimburse the same upon production of documentary evidence. However, BHEL shall not reimburse the Fee paid towards the registration of establishment, fees paid towards registration of Beneficiaries and Contribution of Beneficiaries remitted.

1.10.40.7 Non-compliance to Provisions of the BOCW Act & BOCW Welfare Cess Act is not acceptable. In case of any non-compliance, BHEL reserves the right to withhold any sum as it deems fit. Only upon total compliance to the BOCW Act and also discharge of total payment of Cess under the BOCW Cess Act by the Contractor, BHEL shall consider refund of the amounts.

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Vol IA

Part-II: Technical specifications

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VOLUME-IA PART-II CHAPTER-I

CORRECTIONS / REVISIONS IN SPECIAL CONDITIONS OF CONTRACT, GENERAL CONDITIONS OF CONTRACT AND FORMS & PROCEDURES

SI. No.: 01

Following Clauses in General Conditions of Contract (GCC) are modified/ revised/ added:

S.No	GCC Clause Reference	Modification / Revision / Addition in GCC Clause
1.	GCC Clause 1.9.1, SI. No. (ii)	The following mode of deposit, SI. No. (e) is added: e) Insurance Surety Bonds
2.	GCC Clause 1.10.3, SI. No. (vi)	The following Clause, SI. No. (vi) is deleted: Security deposit can also be recovered at the rate of 10% of the gross amount progressively from each of the running bills of the contractor till the total amount of the required security deposit is collected. However, in such cases at least 50% of the required Security Deposit, including the EMD, should be deposited in any form as prescribed before start of the work and the balance 50% may be recovered from the running bills as described above
3.	GCC Clause 1.10.3, SI.No.(vii)	The following mode of deposit, SI. No. (vii) is added: e) Insurance Surety Bonds
4.	Note mentioned under the GCC Clause 1.10.3	Note mentioned under GCC Clause 1.10.3 is revised as below: Note: (1) BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith. (2) In case of delay in submission of security deposit, enhanced security deposit which would include interest (Repo rate +4%) for the delayed period, shall be submitted by the bidder.
5.	GCC Clause 1.10.8	GCC Clause 1.10.8 is revised as below: Bidder agrees to submit security deposit required for execution of the contract within the time period mentioned. In case of delay in submission of security deposit, enhanced security deposit which would include interest (Repo rate+4%) for the delayed period, shall be submitted by the bidder. Further, if security deposit is not submitted till such time the first bill becomes due, the amount of security deposit due shall be recovered as per terms defined in NIT / contract, from the bills along with due interest
6.	GCC Clause 2.22.1	GCC Clause 2.22.1 is revised as: Retention Amount shall be 5% of the Contract Value and shall be furnished through BG in line with clause 1.12 of GCC before payment of first RA Bill. The validity of the said BG shall be initially for the contract period & shall be extended, if so required, up to

TECHNICAL CONDITIONS OF CONTRACT (TCC)

S.No	GCC Clause Reference	Modification / Revision / Addition in GCC Clause
		<p>acceptance of final bill. In case of increase in contract value, additional BG for 5% of differential amount shall be submitted by Contractor before payment of next RA Bill due.</p> <p>Retention Amount can also be recovered at the rate of 10% of the gross amount progressively from each of the running bills of the contractor till the total amount of the required retention amount is collected.</p> <p>In case, contractor opts cash deduction from RA bills in the beginning & subsequently offers to submit BG later on, then refund of deducted retention amount may be permitted against submission of BG for 5% of the Contract Value.</p>
7.	New Clause for "Breach of Contract, Remedies and Termination" is added in place of existing clause of Risk & Cost (i.e. 2.7.2.1 to 2.7.3)	<p>1. Clause 2.7.2 and 2.7.3 are revised as:</p> <p>2.</p> <p>3.2.7.2 Breach of Contract, Remedies and Termination</p> <p>2.7.2.1 BHEL shall terminate the contract after due notice of a period of 14 days in any of the following cases, which if not rectified/ improved within the time period mentioned in the notice, then, 'Breach of Contract' will be considered to have been established:</p> <ul style="list-style-type: none"> i). Contractor's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor including unexecuted portion of work does not appear to be executable within balance available period considering its performance of execution. ii). Withdrawal from or abandonment of the work by contractor before completion of the work as per contract. iii). Non-completion of work by the Contractor within scheduled completion period as per Contract or as extended from time to time, for the reasons attributable to the contractor. iv). Repeated failure of contractor in deploying the required resources, to comply the statutory requirements etc. even after given by BHEL in writing. v). Strike or Lockout declared is not settled within a period of one month. vi). Termination of Contract on account of any other reason (s) attributable to Contractor. vii). Assignment, transfer, subletting of Contract without BHEL's written permission. viii). Non-compliance to any contractual condition or any other default attributable to Contractor. <p>2.7.2.2 Remedies in case of Breach of Contract is established</p> <p>In case 'Breach of Contract' is established, Security Deposit and Retention Amount shall be encashed/ forfeited. This is without prejudice to BHEL's right to levy of liquidated damages, debarment</p>

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S.No	GCC Clause Reference	Modification / Revision / Addition in GCC Clause
		<p>etc. which shall be applied as per the provisions of the contract. Sequence of recovery to be made in case of breach of contract is established, is as below:</p> <ul style="list-style-type: none"> a) In case the value of Security Deposit & Retention Amount, available for the Contract, is less than 10% of the Contract Value, the balance amount shall be recovered from dues available in the form of Bills payable to contractor, BGs against the same contract etc. b) Demand notice for deposit of balance recovery amount shall be sent to contractor, if funds are insufficient to effect complete recovery against dues indicated in (a) above. c) If contractor fails to deposit the balance amount to be recovered within the period as prescribed in demand notice, following action shall be taken for balance recovery: <ul style="list-style-type: none"> i) Dues payable to contractor against other contracts in the same Region shall be considered for recovery. ii) If recovery cannot be made out of dues payable to the contractor as above, balance amount to be recovered, shall be informed to other Regions/Units for making recovery from the Unpaid Bills/Running Bills/SD/BGs/Final Bills of contractor. iii) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against contractor. <p>Note:</p> <ul style="list-style-type: none"> 1) In addition to above, levy of liquidated damages, debarment, termination, short-closure etc. shall be applied as per provisions of the contract. 2) If tendering is done for the balance work, the defaulted contractor (including all the members/partners in case of JV/ partnership firm) shall not be eligible for either executing the balance work or to participate in the tender(s) for executing the balance work. <p>2.7.3 In case Contractor fails to deploy the resources as per requirement informed by BHEL in writing to expedite the work, BHEL can deploy own/hired/otherwise arranged resources and recover the expenses incurred from the dues payable to contractor. Recoveries shall be actual expenses incurred plus 5% overheads or as defined in TCC.</p>
8.	GCC Clause 2.7.7	<p>GCC Clause 2.7.7 is revised as:</p> <p>BHEL may permit or direct contractor to demobilize and remobilize at a future date as intimated by BHEL in case of following situations for reasons other than Force majeure conditions and not attributable to contractor:</p> <ul style="list-style-type: none"> i) suspension of work(s) at a Project either by BHEL or Customer,

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S.No	GCC Clause Reference	Modification / Revision / Addition in GCC Clause
		<p style="text-align: center;">or</p> <p>ii) where work comes to a complete halt or reaches a stage wherein worthwhile works cannot be executed and there is no possibility of commencement of work for a period of not less than three months</p> <p style="text-align: center;">4.</p> <p>In such cases, charges towards demobilization and remobilization shall be as decided by BHEL after successful remobilization by contractor at site, and decision of BHEL shall be final and binding on the contractor. After remobilization, all conditions as per contract shall become applicable. In case Contractor does not remobilize with adequate resources or does not start the work within the period as intimated, then BHEL reserves the right to terminate the contract and effect remedies under Clause 2.7.2.2. Duration of the contract/time extension shall be revised suitably. In case of any conflict, BHEL decision in this regard shall be final and binding on the contractor.</p>
9.	GCC Clause 2.11.3	<p>GCC Clause 2.11.3 is revised as:</p> <p>However, if any 'Time extension' is granted to the contractor to facilitate continuation of work and completion of contract, due to backlog attributable to the contractor alone, then it shall be without prejudice to the rights of BHEL to impose penalty/LD for the delays attributable to the contractor, in addition to any other actions BHEL may wish to take under clause 2.7.2 of GCC i.e. "Breach of Contract, Remedies and Termination".</p>
10.	GCC Clause 2.19.1	<p>GCC Clause 2.19.1 is revised as:</p> <p>The contractor will be fully responsible for all disputes and other issues connected with his labour. In the event of the contractor's labour resorting to strike or the Contractor resorting to lockout and if the strike or lockout declared is not settled within a period of one month, it may be considered as 'Breach of Contract' under Clause 2.7 and the remedies under Clause 2.7.2.2 may be executed, at the discretion of BHEL.</p>
11.	GCC Clause 2.24.1	<p>GCC Clause 2.24.1 is revised as:</p> <p>Even though the work will be carried out under the supervision of BHEL Engineers the Contractor will be responsible for the quality of the workmanship and shall guarantee the work done for a period of Twelve months from the date of commencement of guarantee period as defined in Technical Conditions of Contract, for good workmanship and shall rectify free of cost all defects due to faulty erection detected during the guarantee period. In the event of the Contractor failing to repair the defective works within the time specified by the Engineer, BHEL may proceed to undertake the repairs of such defective works, by itself, without prejudice to any other rights and recover the cost incurred for the same along with 5% overheads from the Security Deposit.</p>

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SI. No.: 02

In addition to The EARNEST MONEY DEPOSIT (EMD) clause 1.9 and The SECURITY DEPOSIT (SD) clause 1.10 published in General Conditions of Contract (Volume I Book II) following is added for FDR

1. FDR should be Lien marked in favour of M/s BHEL.
2. Bank issuing FDR should agree to the following conditions and submit duly signed letter addressed to BHEL, confirming the following points:
 - a)There is no Lock in Period for Encashment of the Said FDR
 - b)The amount under the Said FDR would be paid to BHEL-PSSR on Demand, at any point of Time before, or upon Maturity, without any reference to the (Contractor Name).
 - c)Encashment whether premature or otherwise would not require any clearance from any other authority /Person.
 - d)FDR will be auto renewed for such period/s initially mentioned in the FDR and the intimation of Such renewal shall be sent to BHEL, PSSR and (Contractor), immediately after the renewal.
 - e)FDR will not be closed, Encashed, Changed or Discharged without the Written permission/Confirmation from M/s BHEL PSSR.
 - f)Bank to acknowledge and agree that the Lien created on the FDR shall be in Force until M/s BHEL PSSR, gives a Discharge Letter in this regard.

SI. No.: 03

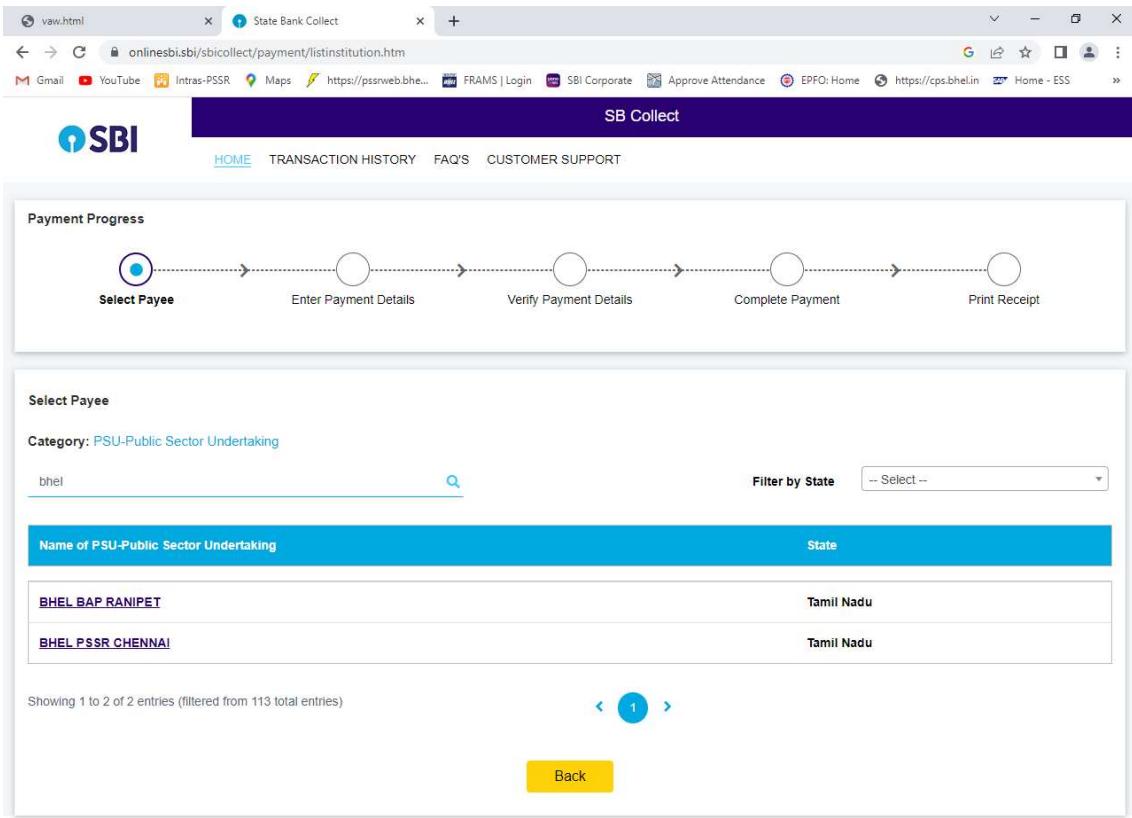
Detailed Instruction for EMD / Security deposits through SBI e-collect:

Step 1: Vendors may visit SBI collect website, the URL of which is <https://www.onlinesbi.sbi/sbicollect> where they get the home page with various categories of institutions.

Step 2: Select PSU - Public Sector Undertakings – leading to a page with list of PSUs

Step 3: Type BHEL and search, they get to see all BHEL divisions wherein they shall select BHEL PSSR Chennai. The screen shot of the same is given below.

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The screenshot shows a web browser window for 'SBI SB Collect'. The title bar says 'view.html' and 'State Bank Collect'. The address bar shows 'onlinesbi.sbi/sbicollect/payment/listinstitution.htm'. The page header includes the SBI logo, 'SB Collect', and navigation links for 'HOME', 'TRANSACTION HISTORY', 'FAQ'S', and 'CUSTOMER SUPPORT'. A 'Payment Progress' section shows a horizontal dotted line with five circles. The first circle is filled blue and labeled 'Select Payee'. The other four are empty and labeled 'Enter Payment Details', 'Verify Payment Details', 'Complete Payment', and 'Print Receipt' respectively. Below this is a 'Select Payee' section. It shows a search bar with 'bhel' and a 'Filter by State' dropdown set to '-- Select --'. A table lists two entries: 'BHEL BAP RANIPET' under 'State' and 'Tamil Nadu'. Another entry, 'BHEL PSSR CHENNAI', is listed under 'State' and 'Tamil Nadu'. At the bottom, it says 'Showing 1 to 2 of 2 entries (filtered from 113 total entries)' with navigation arrows. A 'Back' button is at the bottom right. The footer includes links for 'Privacy Statement', 'Disclosures', and 'Terms of Use', and a standard Windows taskbar at the bottom.

Step 4: Select EMD receipts. Having selected the Payee in the Payment Progress, it will lead to the payment details – a drop down list of values. From that list, vendors shall select EMD receipts. Upon clicking the entry EMD receipts, a form will open asking for the remitters details and the details of the tender.

Step 5: Confirm details and pay

Fill in all the details correctly, verify the details, and complete the payment as it is leading to the payment gateway.

Step 6: Take a printout on completing the payment and enclose the copy of the same along with the bid submission. Store the copy of receipt for future reference.

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Sl. No.: 04

2.14. Quantity Variation

2.14.1 Variation in Final Executed Contract Value

No compensation becomes payable in case any decrease in the final executed contract value with respect to the awarded contract value. Also, no compensation becomes payable in case the contract gets partially executed/ short closed/ terminated/ work withdrawn under Rights of BHEL mentioned in Clause 2.7 of GCC.

2.14.2 Variation in Individual Quantities of BOQ Item(s)

Deleted

Sl. no. 05

GCC Clause 2.12 shall be amended as

NO OVERRUN COMPENSATION IS APPLICABLE

Sl. no 06.

GCC Clause 2.17 shall be amended as

NO PRICE VARIATION COMPENSATION IS APPLICABLE

Following Clauses are modified in the Special Conditions of Contract (SCC)

Sl. No.: 07

Clause No. 10.5 on RA Bill Payments, in Special Conditions of Contract (SCC), Volume- IB, Book- II, is revised as under:

"The payment for running bills will normally be released within 30 days of submission of running bill complete in all respects with all documents. It is the responsibility of the contractor to make his own arrangements for making timely payments towards labour wages, statutory payments, outstanding dues etc., and other dues in the meanwhile."

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VOLUME-IA PART – II

CHAPTERS 2 to 6

Next pages are as below

Chapter-2	“HSE Plan for Site Operations by Subcontractor” (Document No. HSEP: 14 Rev02) & Guidelines for Safety Requirements For Construction Works	131 + 22
Chapter-3	Hire Charges	13
Chapter-4	Technical Specifications	60
Chapter-5	Tentative Plot Plan	1
Chapter-6	Tentative Site Grading layout	1