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JOB: PROVIDING 1 NO. 350 MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60 MT (MINIMUM) BELOW HOOK AT AROUND 28 M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86 M (MINIMUM) ABOVE GROUND LEVEL ON MONTHLY RENTAL BASIS AT BHEL-PSER 2X800 MW LARA SUPER THERMAL POWER PLANT PROJECT, STAGE II, RAIGARH, CHHATTISGARH - 496440.

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1.0	SCOPE OF WORK				
1.1	PROVIDING 1 NO. 350 MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60 MT (MINIMUM) BELOW HOOK AT AROUND 28 M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86 M (MINIMUM) ABOVE GROUND LEVEL ON MONTHLY RENTAL BASIS AT BHEL-PSER 2X800 MW LARA SUPER THERMAL POWER PLANT PROJECT, STAGE II, RAIGARH, CHHATTISGARH - 496440.				
2.0	CRANE MOBILIZATION & DE-MOBILIZATION, TENTATIVE DEPLOYMENT SCHEDULE, CONTRACT PERIOD & DAILY WORKING HOURS				
2.1	PROJECT	CRANE CAPACITY	TENTATIVE DEPLOYMENT SCHEDULE	DURATION (MONTH)	EXTENSION PROVISION (MONTH)
	BHEL-PSER NTPC LARA STAGE- II EPC PROJECT SITE, RAIGARH, CHHATTISGARH - 496440.	PROVIDING 1 NO. 350 MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60 MT (MINIMUM) BELOW HOOK AT AROUND 28 M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86 M (MINIMUM) ABOVE GROUND LEVEL ON MONTHLY RENTAL BASIS AT BHEL-PSER 2X800 MW LARA SUPER THERMAL POWER PLANT PROJECT, STAGE II, RAIGARH, CHHATTISGARH - 496440.	Aug-2026	7 MONTHS FROM START OF CONTRACT	03 MONTHS (SHALL BE INTIMATED 01 MONTH BEFORE EXPIRY OF CONTRACT PERIOD)
2.2	DEPLOYMENT OF CRANE(S)				
2.2.1	THE TENTATIVE DEPLOYMENT SCHEDULE OF THE CRANE IS INDICATED IN THE CLAUSE 2.1 ABOVE.				
2.2.2	THE MOBILIZATION PERIOD OF THE CRANE SHALL BE 45 (FORTY-FIVE) DAYS AND THE SAME SHALL BE CALCULATED FROM THE DATE OF INTIMATION FOR MOBILIZATION BY CONSTRUCTION MANAGER/ PROJECT DIRECTOR – BHEL- PSER, (2 X 800 MW) LARA SUPER THERMAL POWER PLANT PROJECT AFTER PLACEMENT OF LOA.				
2.2.3	SUCCESSFUL MOBILIZATION OF CRANE SHALL BE CONSIDERED ONLY AFTER TRANSPORTATION & PHYSICAL AVAILABILITY OF THE CRANE WITH ALL ITS ACCESSORIES IN GOOD ORDER & CONDITION, FUEL, OPERATOR, HELPER ETC. AT NTPC LARA STAGE- II EPC PROJECT SITE, DULY CERTIFIED BY CONSTRUCTION MANAGER / PROJECT DIRECTOR - BHEL- PSER, LARA SUPER THERMAL POWER PLANT PROJECT.				
2.2.4	MOBILIZATION PERIOD SHALL REMAIN UNCHANGED IN CASE OF PURCHASE OF NEW CRANE.				
2.2.5	CONTRACT PERIOD OF THE CRANE SHALL BE FOR 07 (SEVEN) MONTHS FROM THE START DATE OF CONTRACT WITH A PROVISION OF 03 (THREE) MONTHS EXTENSION PERIOD FOR THE CONTRACT.				

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2.3	THE START DATE OF CONTRACT SHALL BE RECKONED FROM THE DATE OF COMPLETE COMMISSIONING AND SUCCESSFUL LOAD TEST OF CRANE, DULY CERTIFIED BY CONSTRUCTION MANAGER / PROJECT DIRECTOR - BHEL- PSER, (2 X 800 MW) LARA SUPER THERMAL POWER PLANT PROJECT IRRESPECTIVE OF THEIR DATE OF SUCCESSFUL MOBILIZATION.	
2.4	IN CASE OF EXIGENCY / SITE REQUIREMENT, THE CONTRACT PERIOD MAY BE FURTHER EXTENDED BEYOND 1 ST EXTENSION FOR THE CRANE (AS INDICATED ABOVE) ON SAME TERMS & CONDITIONS (EXCEPT MONTHLY RATE) DEPENDING UPON ACTUAL SITE REQUIREMENT AND THE SAME SHALL BE INTIMATED BY BHEL TO CONTRACTOR 1 MONTH BEFORE EXPIRY OF CONTRACT PERIOD OF THE CRANE.	
2.5	THE MONTHLY RATE, AS DERIVED BY APORTIONING THE TOTAL QUOTED PRICE IN THE PRESCRIBED PRICE SCHEDULE, SHALL REMAIN FIRM THOUGH OUT THE ORIGINAL CONTRACT PERIOD AND SHALL BE 90% OF THE DERIVED MONTHLY RATE FOR THE EXTENDED PERIOD (IF ANY).	
2.6	THE CRANE WITH OPERATOR, HELPERS AND SERVICE/MAINTENANCE STAFF SHALL REMAIN AVAILABLE FOR MINIMUM CUMULATIVE 14 HOURS/DAY (ANY PART OF THE DAY) INCLUSIVE OF 1-HOUR LUNCH BREAK.	
2.7	DE-MOBILIZATION: COMPLETE DISMANTLING OF A CRANE AND TRANSPORTATION OUT OF THE SAME CRANE WITH ALL ITS ACCESSORIES FROM SITE TO BE DONE BY VENDOR WITHIN 30 DAYS FROM THE DATE OF INTIMATION FOR DE-MOBILIZATION BY CONSTRUCTION MANAGER/ PROJECT DIRECTOR - BHEL- PSER, (2 X 800 MW) LARA SUPER THERMAL POWER PLANT PROJECT, FOR THE CRANE. DE-MOBILIZATION OF CRANES SHALL BE CALCULATED AS PER ABOVE.	
2.8	IF THE PERFORMANCE OF CRANE IS NOT SATISFACTORY, THE CONTRACT SHALL BE LIABLE FOR TERMINATION WITHOUT PRIOR NOTICE.	
2.9	BHEL RESERVES THE RIGHT OF FORECLOSING THE CONTRACT WITHIN THE CONTRACT PERIOD/ DURING THE EXTENDED CONTRACT PERIOD WITH 30 DAYS ADVANCE WRITTEN NOTICE WITHOUT ASSIGNING ANY REASON AND NO PAYMENTS WILL BE MADE FOR THE PERIOD AFTER FORECLOSURE.	
3.0	CONSIGNEE	
3.1	CONSIGNEE ADDRESS FOR THE CRANE IS AS FOLLOWS- CONSTRUCTION MANAGER, BHEL SITE OFFICE, NTPC LARA STAGE-II PROJECT SITE LARA, RAIGARH, CHHATISSGARH- 496440.	
4.0	CONTRACT PRICE	
4.1	THE BIDDER SHALL QUOTE THEIR TOTAL PRICE FOR THE TENDERED SCOPE OF WORK IN ACCORDANCE WITH PRESCRIBED FORMAT I.E. BOQ SHEET OF PRICE SCHEDULE (VOLUME-III). AFORESAID TOTAL PRICE SHALL BE = TOTAL HIRE CHARGES (EXCLUDING FUEL) FOR 1 CRANE FOR 7 MONTHS + MOBILIZATION AND DEMOBILIZATION CHARGES TOGETHER FOR THE CRANE TO & FROM SITE. THIS TOTAL PRICE WILL BE CONSIDERED FOR EVALUATION AND AWARDED BASED ON LOWEST EVALUATED PRICE.	
4.2	AGREED MONTHLY HIRE CHARGES SHALL REMAIN FIRM THROUGHOUT THE CONTRACT PERIOD AS INDICATED IN THE TENDER. HOWEVER, THE MONTHLY HIRE CHARGES DURING THE EXTENDED PERIOD SHALL BE 90% OF THE MONTHLY HIRE CHARGES AGREED FOR THE REGULAR CONTRACT/HIRING PERIOD. NO OTHER REVISION OF THE RATES SHALL BE ADMITTED DURING THE EXTENDED PERIODS.	
4.3	IN CASE THE BIDDER OFFERS MULTIPLE MAKE & MODEL OF CRANES AND IN CASE MORE THAN ONE MAKE & MODEL OF CRANE QUALIFIES THE TENDER REQUIREMENT, THEN PRICE FOR ALL SUCH ACCEPTABLE CRANES SHALL BE SAME. BIDDER TO QUOTE THEIR OFFER ACCORDINGLY.	

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5.0	SPECIFIC TERMS	
5.1	FOR RECORDING THE HOURS OF OPERATION WITH ENGINE ON CONDITION, VENDOR IS REQUIRED TO MAINTAIN A SEPARATE REGISTER AT SITE AS PER FORMAT "CRANE LOG SHEET (FOR BHEL'S HIRED CRANE), ANNEXURE- I " WHICH SHALL BE CERTIFIED BY BHEL SITE ENGINEER BEFORE RELEASE OF PAYMENT.	
5.2	THERE IS NO PROVISION FOR ANY ADVANCE PAYMENT BY BHEL FOR MOBILIZATION/ DE-MOBILIZATION ETC.	
5.3	THE CRANE OPERATION SHALL BE EXECUTED UNDER THE USUAL CONDITIONS PREVAILING IN MAJOR POWER PLANT CONSTRUCTION AND IN CONJUNCTION WITH NUMEROUS OTHER OPERATIONS AT SITE. THE CONTRACTOR AND HIS PERSONNEL SHALL CO-OPERATE WITH ALL BHEL PERSONNEL, BHEL'S CUSTOMER, CUSTOMER'S CONSULTANTS AND ALL OTHER CONTRACTORS, COORDINATING THE CRANE MOVEMENTS WITH OTHERS AND WORK IN A MANNER THAT SHALL NOT DELAY OR HINDER THE PROGRESS OF WORK OF THE PROJECT.	
5.4	THE CONTRACTOR SHALL EXECUTE THE WORK IN MOST SUBSTANTIAL AND WORKMANLIKE MANNER. THE MATERIALS AND EQUIPMENT OF BHEL BY THE CRANE SHALL BE HANDLED WITH CARE AND DILIGENCE, WHILE SAME ARE HANDLED BY THE CRANE.	
5.5	CRANE OPERATORS SHALL BE WELL EXPERIENCED (MINIMUM 03 YEARS EXPERIENCE) WITH CRAWLER CRANE OPERATION. DOCUMENTARY PROOF SHALL BE SUBMITTED TO BHEL BEFORE START OF WORK.	
5.5.1	CONTRACTOR WILL MAKE ALL NECESSARY ARRANGEMENTS FOR UNLOADING, ASSEMBLY, DISASSEMBLY & LOADING OF THE CRANES AT THEIR OWN. FOR REARRANGEMENT, EXTENSION, REDUCTION, ETC OF BOOM AND JIB AS PER JOB REQUIREMENT DURING THE HIRING PERIOD, BHEL OR BHEL'S ERECTION CONTRACTOR SHALL PROVIDE SUITABLE REQUISITE CRANE WITH OPERATOR, WHEREAS CONTRACTOR SHALL ARRANGE FUEL, SLINGS, D-SHACKLES, ETC. NO CLAIM IN THIS REGARD WILL BE ENTERTAINED BY BHEL.	
5.5.2	DURING MOBILIZATION FOR TRANSPORTATION OF THE CRANE TO SITE, BHEL SHALL NOT PROVIDE ROAD PERMIT/ WAYBILLS.	
5.6	TOWARDS FULFILLMENT OF THE RELEVANT SAFETY NORMS, THE CONTRACTOR IS REQUIRED TO SUBMIT VALID TEST CERTIFICATE FOR THE CRANES TO BE DEPLOYED AT SITE. ON DEPLOYMENT, LOAD TEST IS TO BE CONDUCTED AT SITE FOR WHICH NECESSARY LOAD MATERIALS WILL BE PROVIDED BY BHEL FREE OF COST. LOCAL TRANSPORTATION OF LOAD MATERIALS SHALL BE IN THE SCOPE OF VENDOR.	
5.7.1	OPERATION, MAINTENANCE AND ALL CONSUMABLES REQUIRED (EXCEPT FUEL) FOR REGULAR DAILY RUNNING OF THE CRANE AS PER THE WORKING HOURS MENTIONED ARE TO BE PROVIDED BY THE CONTRACTOR. THE AGENCY SHOULD PROVIDE ADEQUATE NUMBER OF OPERATORS, HELPERS AND MAINTENANCE PERSONNEL TO ENSURE TROUBLE-FREE UNINTERRUPTED OPERATION, SERVICES AND MAINTENANCE OF THE CRANE AT SITE. IN CASE THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED CONSUMABLE, FILTERS, ETC IN TIME, BHEL RESERVES THE RIGHT TO SUPPLY THE SAME AND DEDUCT THE COST FROM CONTRACTOR'S BILL WITH 5% OVERHEAD .	
5.7.2	CONTRACTOR SHALL PROVIDE ALL LUBRICANTS, SPARE PARTS, FILTERS AND OTHER NECESSARY CONSUMABLES (EXCEPT FUEL) THAT ARE NECESSARY TO FULFIL THE SCOPE OF SERVICES UNDER THIS SPECIFICATION WITHIN THE QUOTED RATES. BHEL/ ERECTION CONTRACTORS OF BHEL WILL PROVIDE FUEL COMMENSURATE WITH UTILIZATION TIME AND AGREED CONSUMPTION RATE. CONTRACTOR HAVE TO PROVIDE FUEL CONSUMPTION RATE IN THEIR TECHNICAL OFFER.	

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5.7.3	CONTRACTOR IS REQUIRED TO BRING SUFFICIENT NUMBERS OF STEEL MATS/PLATES FOR PLACEMENT UNDER JACKS & WHEREEVER APPLICABLE FOR PLACEMENT OF CRANE DURING JOB AT SITE ON ITS OWN WITHOUT ANY COST TO BHEL.	
5.7.4	STEEL MATS/ PLATES FOR PLACEMENT UNDER CRAWLER FOR MOVEMENT OF CRANE DURING EXECUTION OF JOB AT SITE SHALL BE PROVIDED BY BHEL ON SHARING BASIS.	
5.7.5	BIDDER SHOULD PUT UTMOST EFFORT TO DEPLOY THE CRANE MAKE & MODELS WITH SL. NO. ACCEPTED BY BHEL. HOWEVER, IN CASE OF EXIGENCY OR DUE TO ANY UNAVOIDABLE CIRCUMSTANCES DURING DEPLOYMENT, IF IT IS NOT POSSIBLE BY THE BIDDER TO DEPLOY ANY OF THE BHEL ACCEPTED MAKE & MODELS WITH SL. NO. OF CRANE, BIDDER BY FURNISHING THE MAKE & MODEL WITH SL. NO. AND COMPLETE TECHNICAL SPECIFICATION OF ALTERNATE CRANE AND WITH PROPER REASON SHALL PLACE A REQUEST TO BHEL TO GRANT THEM PERMISSION FOR DEPLOYMENT OF ALTERNATE CRANE WHICH COMPLIES THE TECHNICAL SPECIFICATION AS PER TENDER REQUIREMENT. ON RECEIPT OF SUCH REQUEST FROM BIDDER, BHEL SHALL SCRUTINIZE THE OFFERED ALTERNATE MAKE & MODEL OF CRANE AND IN CASE THE SAME IS FOUND TO BE IN COMPLIANCE WITH TECHNICAL SPECIFICATION OF TENDER, BHEL AT ITS DISCRETION MAY GRANT THE BIDDER PERMISSION FOR DEPLOYMENT OF THE ALTERNATE CRANE. IN THE EVENT SUCH APPROVAL IS GRANTED, THE BIDDER SHALL OBTAIN BHEL'S WRITTEN PERMISSION, CLEARLY SPECIFYING THE MAKE & MODEL WITH SL. NO. OF THE APPROVED ALTERNATE CRANE, PRIOR TO ITS DEPLOYMENT. NO ALTERNATE CRANE SHALL BE DEPLOYED WITHOUT SUCH WRITTEN APPROVAL FROM BHEL.	
5.8	NORMALLY THE MAINTENANCE/ GREASING ACTIVITIES IN THE CRANE SHALL BE DONE BY THE CONTRACTOR DURING RECESS PERIOD OR IN SUNDAY/ SITE HOLIDAY SO THAT NO WORKING DAY IS LOST FOR OUTAGE OF THE CRANES. HOWEVER, ANY BREAKDOWN/ REPAIR OF THE CRANE SHALL BE IMMEDIATELY ATTENDED BY CONTRACTOR AT HIS OWN COST & RISK. THE CONTRACTOR IS TO MAINTAIN STOCK OF ADEQUATE SPARES & CONSUMABLES WITH THE REQUIRED TOOLS & TACKLES AT SITE FOR THIS PURPOSE.	
5.9	Deleted	
5.10	IN CASE OF OPERATOR'S ABSENCE, THE CONTRACTOR SHALL ARRANGE ALTERNATIVE IMMEDIATELY FOR CONTINUATION OF SITE WORK SO AS NOT TO HAMPER THE TIME SCHEDULED ERECTION PROGRAM.	
5.11	IF ANY CRANE BECOMES IDLE / NON-OPERATIONAL DUE TO FAILURE ATTRIBUTABLE TO IT'S OWN MECHANISM OR DUE TO ANY OF THE REASONS AS PER SCOPE OF VENDOR, THE IDLE / NON-OPERATIONAL HOURS FOR MAKING THE CRANE READY WILL EITHER BE DEDUCTED FROM THE MONTHLY RENTAL CHARGES OF THE CRANE ON PRO-RATA BASIS OF THE ACCEPTED MONTHLY LUMP SUM RENTAL CHARGE DIVIDED BY 26 DAYS, FURTHER DIVIDED BY 14 HOURS OR SHALL BE COMPENSATED BY WORKING THE LOST HOURS DURING EXTENDED HOURS OR ON HOLIDAYS, AT THE DISCRETION OF BHEL SITE ENGINEER. BHEL'S DECISION IN THIS REGARD SHALL BE FINAL & BINDING ON BIDDER.	
5.12	LIQUIDATED DAMAGE SHALL BE APPLICABLE FOR DELAY ATTRIBUTABLE TO CONTRACTOR IN CRANE MOBILIZATION OF THE CRANE AT SITE.	
5.13	HOLIDAYS SHALL BE AS OBSERVED BY BHEL AT SITE AND SUNDAYS SHALL BE CONSIDERED AS HOLIDAYS. HOWEVER, IN EXIGENCY, THE CRANE(S) MAY BE REQUIRED TO BE OPERATED ON SUNDAYS AND SUCH HOLIDAYS.	
5.14	CUMULATIVE WORKING HOURS PER DAY FOR CRANE SHALL BE FOR 14 (FOURTEEN) HOURS INCLUSIVE OF ONE-HOUR LUNCH BREAK DAILY, EXCLUDING SUNDAYS & SCHEDULED HOLIDAYS. FOR ANY CRANE WORKING BEYOND WORKING HOURS, OR ON SUNDAY/ HOLIDAYS WITH PRIOR PERMISSION OF CONCERNED BHEL SITE ENGINEER, THE CONTRACTOR SHALL BE PAID ON PRO- RATA RENTAL CHARGE AS STATED BELOW, BASED ON CERTIFICATION OF THE BHEL SITE ENGINEER.	

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5.15	HOURLY RATE FOR WORKING BEYOND CUMULATIVE WORKING HOURS AND WORKING ON SUNDAYS AND HOLIDAYS = 25 % OF MONTHLY RENTAL CHARGES PER CRANE AS PER PRICE SCHEDULE DIVIDED BY 26 AND FURTHER DIVIDED BY 14 (i.e. 25 % OF MONTHLY RENTAL CHARGES/ (26 X 14)).	
5.16	IN CASE THERE IS A TOTAL FAILURE OF ANY CRANE, THE CONTRACTOR SHOULD REPLACE THE SAME AND BRING SUBSTITUTE CRANE WITHIN A DEADLINE OF 20 DAYS FROM OUTAGE OF THE CRANE, WHICH SHALL BE TREATED AS IDLE PERIOD AND NO RENTAL CHARGES PAYMENT SHALL BE MADE FOR THIS PERIOD FOR THE CRANE. IN THE CASE OF CONTRACTOR'S FAILURE TO DO SO, BHEL SHALL MAKE ALTERNATIVE ARRANGEMENTS AS PER GCC CLAUSE (2.7) "RIGHTS OF BHEL".	
5.17	NECESSARY INSURANCE COVERAGE FOR THE CRANE INCLUDING THIRD PARTY LIABILITY AND FOR THE WORKMEN (COVERING WORKMEN'S COMPENSATION ACT, ETC.) ENGAGED BY THE CONTRACTOR ARE TO BE TAKEN AT HIS COST AND COPY OF THE SAME SHOULD BE SUBMITTED TO BHEL AT SITE BEFORE WORK COMMENCEMENT. IF ANY ACCIDENT/ INJURY OCCURS TO ANY OTHER PERSONS/ PUBLIC DUE TO PROVEN NEGLIGENCE/ NON-ADHERENCE TO RELEVANT SAFETY AND OTHER PRECAUTIONS ON THE PART OF CONTRACTOR/ ITS EMPLOYEES, THE CONTRACTOR SHALL REMAIN LIABLE TO PAY NECESSARY COMPENSATION AND OTHER EXPENSE, AS DECIDED BY APPROPRIATE AUTHORITIES/ AS PER STATUTORY NORMS.	
5.18	THE CONTRACTOR SHALL FOLLOW & COMPLY WITH ALL SAFETY RULES OF BHEL AND THEIR CUSTOMER, RELEVANT PROVISIONS OF APPLICABLE LAWS PERTAINING TO SAFETY OF WORKMEN, EMPLOYEES, PLANT AND EQUIPMENT AS MAY BE PRESCRIBED FROM TIME TO TIME WITHOUT ANY DEMUR, PROTEST OR CONTEST OR RESERVATION. 'IN CASE OF ANY CONFLICT BETWEEN STATUTORY REQUIREMENT, SAFETY RULES OF THE CUSTOMER, SAFETY RULE OF BHEL, MOST STRINGENT SHALL BE BINDING ON THE CONTRACTOR UNLESS SPECIFIED OTHERWISE.'	
5.19	ANY LOSS OR DAMAGE TO BHEL OR CUSTOMER'S PROPERTY DUE TO NEGLIGENCE OF THE CREW EMPLOYED BY THE CONTRACTOR IS ATTRIBUTABLE TO THE CONTRACTOR. BHEL SHALL NOT BE RESPONSIBLE FOR ANY ACCIDENT/ INJURY TO THE CONTRACTOR'S CREW/ STAFF DURING OPERATION OR OTHERWISE. CONTRACTOR HAS TO ASSUME FULL RESPONSIBILITY OF THE SAFETY OF THEIR CREW/ STAFF AND TO COMPLY WITH THE SECURITY/ SAFETY REGULATIONS OF BHEL AND OTHERS AT SITE.	
5.20	BHEL SHALL PROVIDE SPACE FREE OF COST TO THE CONTRACTOR AT SITE, WHERE THEY ARE TO MAINTAIN A CONTAINER FOR WORKING FACILITY OF THEIR PERSONNEL AND KEEPING/ STORING OF THEIR REQUIRED HAND TOOLS, SPARES, SLINGS, CONSUMABLES ETC. AS NECESSARY. WATCH & WARD/ SAFETY AND SECURITY OF THE CRANE AT SITE SHALL BE THE RESPONSIBILITY OF THE VENDOR.	
5.21	CONTRACTOR HAS TO MAKE THEIR OWN ARRANGEMENT FOR ACCOMMODATION, TRANSPORT AND OTHER AMENITIES LIKE MEDICAL ETC FOR THEIR CREW/ STAFF AT SITE AT THEIR OWN COST.	
5.22	ALL THE STATUTORY REQUIREMENTS AS CALLED FOR BY THE LABOUR LAWS LIKE: PF, BOCW ETC. AND OTHER STATUTORY AUTHORITIES ARE TO BE MET BY CONTRACTOR AND PROOF OF COMPLIANCE SHOULD BE MADE AVAILABLE TO BHEL.	
5.23	CONTRACTOR SHALL HAVE TO COMPLY THE STATUTORY DOCUMENTS REQUIREMENT AND HAVE TO ARRANGE ENTRY GATE PASSES FOR THEIR CREW/ STAFF AT THE CONSTRUCTION PLANT SITE. CONTRACTOR SHALL ALSO HAVE TO ARRANGE ENTRY GATE PASSES FOR THE DEPLOYMENT OF THEIR CRANE WITH ITS ACCESSORIES/ DIESEL/ CONSUMABLES ITEMS/ SPARE PARTS ETC. AT THE CONSTRUCTION PLANT SITE. NECESSARY SUPPORT IN REGARD TO FORWARDING OF DOCUMENTS SHALL BE GIVEN BY BHEL.	
5.24	ELECTRICAL POWER/ ILLUMINATION FOR YOUR CRANE OPERATION/ MAINTENANCE WORKS AT SITE SHALL BE PROVIDED BY BHEL AT FREE OF COST BASIS. HOWEVER, THE CRANE SHOULD HAVE IT'S OWN LIGHTS FOR MOVEMENT/ WORKING IN THE WORKING AREA AT SITE.	
5.25	THE CONTRACTOR SHALL COMPLY WITH THE PLANT SECURITY REGULATIONS IN FORCE AT SITE IN ENTRY, EXIT, MOVEMENT & WORKING INSIDE THE PLANT PREMISES. THE CONTRACTOR SHALL ALSO	

	ENSURE THAT ALL PERSONS ENGAGED BY HIM FOR THE WORK BEHAVE PROPERLY WITH BHEL AND THEIR CLIENT. IN CASE OF ANY REPORTED MISBEHAVIOR, CONTRACTOR SHALL IMMEDIATELY WITHDRAW SUCH EMPLOYEE/ PERSON FROM WORK.
5.26	BIDDERS MAY NOTE THAT DEPLOYMENT OF CRANE TO ANY SITE AGAINST THE PRESENT TENDER CAN NOT BE CO-RELATED/ LINKED WITH ANY PREVIOUS OR ONGOING DISPUTES AROUSED UNDER ANY OTHER CONTRACT WITH BHEL/ BHEL'S CUSTOMER AND ANY SUCH LINKAGE ON THE PART OF BIDDER SHALL BE TREATED AS BREACH OF CONTRACT.
5.27	BIDDER MAY PLEASE NOTE DURING MOBILIZATION OF CRANE FOR MOVEMENT OF HEAVY CONSIGNMENTS WEIGHING MORE THAN 20MT & WIDTH MORE THAN 10.5 FT., ADVANCE ROAD SURVEY AND LOGISTIC PLANNING SHALL BE DONE BY BIDDER OR BIDDER'S TRANSPORTER.
5.28	FOR TRANSPORTATION OF CRANE TO THE SITE, ALL THE FORMALITIES OF STATUTE ARE IN BIDDER'S SCOPE. THE RELEVANT UPDATED REGISTRATION DOCUMENTS, AS APPLICABLE & PERMISSION TO TRAVEL SHALL BE ESPECIALLY ENSURED BY BIDDER.
5.29	COMPLIANCE OF ALL FORMALITIES RELATED TO STATUTORY LABOUR LAWS, LIKE: LABOUR LICENSE, LABOUR INSURANCE, PF REGISTRATION FOR THEIR DEPLOYED WORKMEN, BOCW REGISTRATION ETC. SHALL BE IN THE SCOPE OF VENDOR. BHEL SHALL NOT PAY ANY CLAIM OF VENDOR ON THESE ACCOUNTS.
6.0	TERMS OF PAYMENT
6.1	THE CONTRACTOR SHALL SUBMIT THE RA BILL ONCE IN A MONTH AT THE END OF EACH MONTH. 100 % PAYMENT SHALL BE RELEASED FROM BHEL SITE WITHIN 30 DAYS OF SUBMISSION OF THE INVOICE (I.E AGAINST THE RA BILL) COMPLETE IN ALL RESPECT ACCOMPANIED BY BHEL ENGINEER'S CERTIFICATE WITH THE FOLLOWING DOCUMENTS, SUBJECT TO ITS COMPLETENESS & CORRECTNESS IN ALL RESPECT.
6.2	GST INVOICE IN TRIPLICATE BASED ON MONTHLY RENTAL CHARGE RATES AS PER PRICE SCHEDULE, VOLUME-III (LATEST REVISION) INCLUDING EXTENDED HOUR RUNNING CHARGES, IF ANY, AS PER LOG BOOK ENTRY OF THE CRANE AS PER RECORD, TO BE MAINTAINED BY THE CONTRACTOR (AS STATED IN RELEVANT CLAUSE), SHALL BE SUBMITTED FOR GETTING CERTIFIED BY BHEL SITE ENGINEER.
6.3	APPLICABLE GST SHALL BE RELEASED TO YOU UPON COMPLIANCE WITH THE FOLLOWING CONDITIONS:
6.3.1	THE GOODS OR SERVICES COVERED UNDER THE INVOICE MUST BE RECEIVED IN FULL, ALONG WITH THE CORRESPONDING VALID TAX INVOICE BY BHEL.
6.3.2	FOLLOWING GST COMPLIANCES MUST BE ENSURED WITHIN THE TIMELINES PRESCRIBED FOR AVAILING INPUT TAX CREDIT (ITC) UNDER GST LAW: a) YOU DECLARING SUCH INVOICE IN FORM GSTR-1, AND IT BEING AUTO-POPULATED INTO FORM GSTR2B OF BHEL THROUGH THE COMMON PORTAL. b) CONFIRMATION OF GST PAYMENT BY YOU TO THE GOVERNMENT, VERIFIED THROUGH THE FILING OF YOUR FORM GSTR-3B FOR THE CORRESPONDING MONTH OR QUARTER.
6.3.3	NOT WITH STANDING ANYTHING CONTAINED ABOVE, GST AMOUNT MAY BE RELEASED ALONG WITH THE PAYMENT AGAINST TAX INVOICE, PROVIDED: a) EXPOSURE OF BHEL AGAINST SUCH GST AMOUNT IS SUFFICIENTLY COVERED BY THE SECURITY DEPOSIT / BANK GUARANTEE / ANY OTHER AMOUNT DUE TO THE VENDOR/CONTRACTOR AT THE TIME OF RELEASING SUCH GST PAYMENT. b) SUCH RELAXATION TO BE ALLOWED TILL THE SUBSEQUENT MONTH I.E. TILL THE GST COMPLIANCES ARE DONE BY THE VENDOR / CONTRACTOR AGAINST THE GIVEN TAX INVOICE. c) AS LONG AS THE GST COMPLIANCES ARE ENSURED ON THE PART OF THE VENDOR / CONTRACTOR, THIS PRACTICE OF RELEASING GST PAYMENT MAY BE CONTINUED.

6.4	50% (FIFTY PERCENT) OF MOBILIZATION AND DE-MOBILIZATION CHARGES FOR CRANE (AS MENTIONED IN SL NO. 2.0 OF SCH-2 OF PRICE SCHEDULE) SHALL BE PAYABLE AGAINST MOBILIZATION AND BALANCE 50% (FIFTY PERCENT) OF MOBILIZATION AND DE-MOBILIZATION CHARGES FOR CRANE SHALL BE PAYABLE AGAINST DE-MOBILIZATION. MOBILIZATION & DE-MOBILIZATION CHARGES AS APPLICABLE, SHALL BE PAID AFTER CERTIFICATION OF BHEL SITE ENGINEER.
6.5	BHEL MAY RELEASE PAYMENT THROUGH ELECTRONIC MODE, FOR WHICH BIDDER SHALL COMPLY WITH NECESSARY REQUIREMENT PRIOR TO PAYMENT AS PER PRESCRIBED FORMAT.
7.0	LIQUIDATED DAMAGES (LD) SINCE TIME IS THE MAIN ESSENCE OF THE CONTRACT, CRANE TO BE MOBILIZED AT SITE WITHIN THE TIME LIMIT PRESCRIBED IN CL. NO. 2.2.2 ABOVE AND MOBILIZATION SHALL BE CONSIDERED AS DEFINED IN CL. NO. 2.2.2, 2.2.3 AND 2.2.4 ABOVE. IN CASE CONTRACTOR MOBILIZES THE CRANE BEYOND THE PERIOD SPECIFIED IN CL. NO. 2.2.2 ABOVE, BHEL WILL HAVE NO OBLIGATION TO ACCEPT THE CRANE AND RESERVES THE RIGHT TO LEVY LIQUIDATED DAMAGES AT THE RATE OF 0.5% (HALF PERCENT) OF CONTRACT PRICE FOR DELAY PER WEEK OR PART THEREOF WITHOUT PREJUDICE TO ANY OTHER RELIEF OR COMPENSATION DUE TO BHEL UNDER ANY OTHER CONDITIONS OF THE ORDER SUBJECT TO A MAXIMUM LIMIT OF 10% OF THE CONTRACT PRICE. HERE, LD SHALL BE APPLICABLE FOR THE DELAY ATTRIBUTABLE TO VENDOR.
8.0	INSPECTION OF CRANE AND RIGHTS OF BHEL WHILE ALL CONTRACTORS ARE ADVISED TO FURNISH THE CORRECT SPECIFICATION OF THE CRANE TO BE PROVIDED IN THE TECHNICAL BID, BHEL RESERVE THE RIGHT TO INSPECT THE CRANE BEFORE PLACEMENT OF LOA AND TO REJECT THE SAME IN CASE IT IS NOT FOUND IN ORDER UP TO THE STATED SPECIFICATION. IN SUCH CASE OF REJECTION, CONTRACTOR HAS TO IMMEDIATELY SOURCE ALTERNATE CRANE FOR INSPECTION AND BHEL SHALL HAVE THE RIGHT TO FORFEIT THE EMD IN CASE CONTRACTOR FAILS TO OFFER THE CRANE FOR INSPECTION & BID OFFERED BY CONTRACTOR SHALL BE CANCELLED AND NOT TO BE FURTHER CONSIDERED.
9.0	ARBITRATION & JURISDICTION AS PER GCC (VOL-IB)
10.0	REJECTION OF TENDER
10.1	THE ACCEPTANCE OF TENDER RESTS WITH BHEL WHICH DOES NOT BIND ITSELF TO ACCEPT THE LOWEST TENDER OR ANY TENDER AND RESERVES FULL RIGHTS OF REJECTION WITHOUT ASSIGNING ANY REASONS WHATSOEVER.
11.0	FORCE MAJEURE CONDITIONS AS PER GCC (VOL-IB)
12.0	VALIDITY OF OFFER VALIDITY OF THE OFFER SHALL BE 180 DAYS FROM THE LATEST DUE DATE OF SUBMISSION OF OFFER. INTERESTED BIDDERS ARE ADVISED TO VISIT THE SITE TO ASSESS JOB CONTENT, SITE CONDITION ETC BEFORE QUOTING THEIR OFFER AGAINST THE ENQUIRY.
13.0	STATUTORY REQUIREMENTS THE CONTRACTOR SHALL ENSURE THAT ALL STATUTORY REQUIREMENTS PERTAINING TO CONTRACT EXECUTION, E.G INLAND LABOUR LAWS ETC ARE COMPLIED WITH AT SITE.
14.0	SECURITY DEPOSIT

	SECURITY DEPOSIT SHALL BE APPLICABLE AS PER RELEVANT CLAUSE OF GCC (VOL-IB)
15.0	PERFORMANCE BOND
	NOT APPLICABLE
16.0	PRICE VARIATION COMPENSATION (PVC) & OVER RUN COMPENSATION (ORC)
	NOT APPLICABLE
17.0	HEALTH SAFETY & ENVIRONMENT
17.1	THE CONTRACTOR SHALL HAVE TO COMPLY SAFETY REQUIREMENTS OF BHEL/CUSTOMER AS PER "HEALTH, SAFETY & ENVIRONMENT PLAN FOR SITE OPERATIONS BY SUBCONTRACTORS" (HSEP14 REV. 02, DEC. 21, 2022) ISSUED ALONG WITH TENDER, RELEVANT PROVISIONS OF APPLICABLE LAWS PERTAINING TO SAFETY OF WORKMEN, EMPLOYEES, PLANT AND EQUIPMENT etc. IN CASE OF ANY AMBIGUITY/CONFLICT BETWEEN THESE, MORE STRINGENT CLAUSES(S), WILL BE FOLLOWED.
18.0	TAXES AND DUTIES
18.1	ALL TAXES EXCLUDING GST (AS SPECIFIED ELSEWHERE IN THIS CLAUSE) & BOCW CESS (AS SPECIFIED ELSEWHERE IN THE TENDER) BUT INCLUDING, CHARGES, ROYALTIES, ANY STATE OR CENTRAL LEVY AND OTHER TAXES FOR MATERIALS IF ANY OBTAINED FOR THE WORK AND FOR EXECUTION OF THE CONTRACT SHALL BE BORNE BY SUCCESSFUL BIDDER AND SHALL NOT BE PAYABLE EXTRA BY BHEL. ANY INCREASE OF ABOVE AT ANY STAGE DURING EXECUTION OF CONTRACT, INCLUDING EXTENSION OF THE CONTRACT, SHALL HAVE TO BE BORNE BY SUCCESSFUL BIDDER CONTRACTOR. BIDDER'S QUOTED/ ACCEPTED RATES/ PRICE SHALL BE INCLUSIVE OF ALL SUCH REQUIREMENTS.
18.2	GST ALONG WITH CESS (AS APPLICABLE) LEGALLY LEVIABLE & PAYABLE BY SUCCESSFUL BIDDER AS PER GST LAW SHALL BE PAID BY BHEL, EXTRA. HENCE, BIDDER SHALL NOT INCLUDE GST ALONG WITH CESS (AS APPLICABLE) IN THEIR QUOTED RATES/ PRICE.
18.3	SUCCESSFUL BIDDER SHALL FURNISH PROOF OF GST REGISTRATION WITH GSTN PORTAL COVERING THE SERVICES UNDER THIS CONTRACT. REGISTRATION SHOULD ALSO BEAR ENDORSEMENT FOR THE PREMISES FROM WHERE THE BILLING SHALL BE DONE BY SUCCESSFUL BIDDER ON BHEL FOR THIS PROJECT / WORK.
18.4	SINCE GST ON OUTPUT WILL BE PAID BY BHEL SEPARATELY AS ENUMERATED ABOVE, BIDDER'S YOUR QUOTED RATES / PRICE SHOULD BE AFTER CONSIDERING THE INPUT CREDIT UNDER GST LAW AT BIDDER'S END.
18.5	TDS UNDER INCOME TAX ACT SHALL BE DEDUCTED AS PER PREVAILING IT RULES FROM THE BILLS.
18.6	TDS UNDER GST SHALL BE DEDUCTED AS PER PREVAILING GST RULES FROM THE BILLS.
18.7	YOU MAY COLLECT TCS UNDER SECTION 206C(1H) OF INCOME TAX ACT, 1961 IF APPLICABLE.
18.8	IN CASE, YOU COLLECT TCS UNDER SECTION 206C(1H) OF INCOME TAX ACT, 1961, FOLLOWING COMPLIANCE IS REQUIRED.
18.9	TAN AND PAN OF VENDOR SHOULD APPEAR IN ALL INVOICES/CLAIMS. COPY OF TAN /TCS REGISTRATION IS TO BE SUBMITTED.
18.10	AMOUNT OF TCS AND ASSESSABLE VALUE ON WHICH TCS HAS BEEN CALCULATED SHOULD BE SPECIFIED CLEARLY IN THE INVOICE.
18.11	YOU SHALL BE REQUIRED TO SUBMIT CERTIFICATE OF TCS IN FORM NO. 27D WITHIN 15 DAYS FROM THE DUE DATE FOR FURNISHING THE STATEMENT OF TAX COLLECTED AT THE SOURCE.
18.12	IN CASE, YOU DO NOT COLLECT TCS UNDER SECTION 206C(1H) OF INCOME TAX ACT, 1961, FOLLOWING DECLARATION IS TO BE SUBMITTED ALONGWITH EACH INVOICE: - "I/WE HEREBY DECLARE THAT I/WE ARE NOT REQUIRED TO COLLECT TCS UNDER SECTION 206C(1H) OF INCOME TAX ACT, 1961, ON THIS BILL.

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18.13	IN EVENT OF FAILURE TO COMPLY WITH THE PROVISIONS OF THE ACT, OR PROPER CERTIFICATE NOT ISSUED, OR IF TAX COLLECTED BUT NOT REMITTED TO THE GOVERNMENT, OR FOR ANY OTHER REASON AND THEREBY CAUSING LOSS TO BHEL, THE SAME SHALL BE RECOVERABLE FROM THE VENDOR WITH APPLICABLE INTEREST.	
18.14	YOU SHALL COMPLY WITH ALL STATUTORY AMENDMENT/NOTIFICATIONS IN THIS RESPECT.	
18.15	BIDDER SHALL NOTE THAT GST TAX INVOICE COMPLYING WITH GST INVOICE RULES (SECTION 31 OF GST ACT & RULES REFERRED THEREUNDER) WHEREIN THE 'BILL TO' DETAILS SHALL ENCOMPASS FOLLOWING. BHEL GSTN – REFER ATTACHED GSTN CODE TABLE OF BHEL. NAME - BHARAT HEAVY ELECTRICALS LIMITED ADDRESS - SHALL BE INTIMATED LATER. SPECIFIC DETAILS OF BHEL GSTN, NAME AND ADDRESS AS STATED ABOVE, HAVE BEEN SPECIFIED ELSEWHERE IN THE TENDER.	
18.16	SUCCESSFUL BIDDER TO INTIMATE IMMEDIATELY ON THE DAY OF REMOVAL OF GOODS (IN CASE OF ANY SUPPLY OF GOODS) TO BHEL ALONG WITH ALL RELEVANT DETAILS AND SEND A SCANNED COPY OF TAX INVOICE TO BHEL THROUGH FOLLOWING COMMUNICATION MODE FOR ENABLING BHEL TO MEET ITS GST RELATED COMPLIANCES. PORTAL ADDRESS. AND EMAIL ADDRESS – SHALL BE INTIMATED LATER. SPECIFIC DETAILS OF ABOVE SHALL BE INTIMATED TO SUCCESSFUL BIDDER BY BHEL AT APPROPRIATE JUNCTURE.	
18.17	IN CASE OF DELAY IN SUBMISSION OF ABOVE-MENTIONED DOCUMENTS ON THE DATE OF DESPATCH, BHEL MAY INCUR PENALTY / INTEREST FOR NOT ADHERING TO INVOICING RULES UNDER GST LAW. THE SAME WILL BE LIABLE TO BE RECOVERED FROM SUCCESSFUL BIDDER, IN CASE SUCH DELAY IS NOT ATTRIBUTABLE TO BHEL.	
18.18	IN CASE OF RAISING ANY SUPPLEMENTARY TAX INVOICE (DEBIT / CREDIT NOTE), SUCCESSFUL BIDDER SHALL ISSUE THE SAME CONTAINING ALL THE DETAILS AS REFERRED TO IN SECTION 34 READ WITH SECTION 31 OF GST ACT & RULES REFERRED THERE UNDER.	
18.19	SUCCESSFUL BIDDER SHALL COMPLY WITH THE TIME LIMIT PRESCRIBED UNDER THE GST LAW AND RULES THEREOF FOR RAISING OF THE TAX INVOICE. IF ANY SUPPLY OF GOODS IS APPLICABLE, SUCCESSFUL BIDDER SHALL ALSO ENSURE PROMPT DELIVERY OF GOODS AFTER DISPATCH.	
18.20	BIDDER SHALL NOTE THAT IN CASE GST CREDIT IS DELAYED / DENIED TO BHEL DUE TO DELAYED / NON-RECEIPT OF GOODS AND / OR TAX INVOICE OR EXPIRY OF THE TIMELINE PRESCRIBED IN GST LAW FOR AVAILING SUCH ITC, OR ANY OTHER REASONS, NOT ATTRIBUTABLE TO BHEL, GST AMOUNT SHALL BE RECOVERABLE FROM SUCCESSFUL BIDDER ALONG WITH INTEREST LEVIED/ LEVIABLE ON BHEL, AS THE CASE MAY BE.	
18.21	SUCCESSFUL BIDDER SHALL UPLOAD THE INVOICES RAISED ON BHEL IN IFF/GSTR-1 WITHIN THE PRESCRIBED TIME AS GIVEN IN THE GST ACT, AND THE SAME SHOULD BE AVAILABLE TO BHEL IN FORM GSTR-2B ELECTRONICALLY THROUGH THE COMMON PORTAL; AND CONFIRMATION OF PAYMENT OF SUCH GST TO THE GOVERNMENT THROUGH FILING OF GSTR-3B OF CORRESPONDING MONTH/QUARTER. BIDDER SHALL NOTE THAT IN CASE OF DELAY IN DECLARING SUCH INVOICE IN YOUR RETURN AND GST CREDIT AVAILED BY BHEL IS DENIED OR REVERSED SUBSEQUENTLY AS PER GST LAW, GST AMOUNT PAID BY BHEL TOWARDS SUCH ITC REVERSAL AS PER GST LAW SHALL BE RECOVERABLE FROM THE SUCCESSFUL BIDDER ALONG WITH INTEREST LEVIED / LEVIABLE ON BHEL.	
18.22	WAY BILL: SUCCESSFUL BIDDER TO ARRANGE FOR WAY BILL / E-WAYBILL FOR ANY TRANSFER OF GOODS FOR THE EXECUTION OF THE CONTRACT. SUCCESSFUL BIDDER HAS TO MAKE THEIR OWN ARRANGEMENT AT THEIR COST FOR COMPLETING THE FORMALITIES, IF REQUIRED, WITH ISSUING AUTHORITIES, FOR BRINGING MATERIALS, PLANTS & MACHINERY AT SITE FOR EXECUTION OF THE WORKS UNDER THIS CONTRACT, ROAD PERMIT / WAY BILL, IF REQUIRED, SHALL BE ARRANGED BY SUCCESSFUL BIDDER AND BHEL WILL NOT SUPPLY ANY ROAD PERMIT/ WAY BILL FOR THIS PURPOSE.	
18.23	ANY NEW TAXES & DUTIES, IF IMPOSED SUBSEQUENT TO DUE DATE OF OFFER SUBMISSION AS PER NIT & TCN, BY STATUTORY AUTHORITY DURING CONTRACT PERIOD (INCLUDING EXTENSION, IF THE SAME IS NOT ATTRIBUTABLE TO YOU), SHALL BE REIMBURSED BY BHEL ON PRODUCTION OF RELEVANT	

	SUPPORTING DOCUMENT TO THE SATISFACTION OF BHEL. HOWEVER, YOU SHALL OBTAIN PRIOR APPROVAL FROM BHEL BEFORE DEPOSITING NEW TAXES AND DUTIES.
18.24	BENEFITS AND / OR ABOLITION OF ALL EXISTING TAXES MUST BE PASSED ON TO BHEL AGAINST NEW TAXES, IF ANY, PROPOSED TO BE INTRODUCED AT A LATER DATE.
19.0	GUARANTEE
19.1	NOT APPLICABLE.
20.0	SECURED RECOVERABLE ADVANCES
20.1	SECURED RECOVERABLE ADVANCES, Clause no. 2.13 of GCC is not applicable for this tender.
21.0	QUANTITY VARIATION
21.1	AS PER GCC (VOL-IB)
22.0	PROJECT SYNOPSIS AND GENERAL INFORMATION
22.1	<u>INTRODUCTION</u> Project name: 2X800MW NTPC LARA PHASE-II No of unit x capacity: 2 x 800 MW Project setting up by: NTPC <u>APPROACH TO SITE</u> The project is located in Raigarh district of Chhattisgarh State. The project is located south-east of Raigarh town near village Lara, bounded by villages Lara, Chhapora & Lhakhang and on the western side of Odisha State boundary. The project site is approachable from NH-200 (Raigarh– Sarangarh) via Kondatarai through State PWD Road. Nearest Town Raigarh- About 30 Km The nearest commercial airport, Jarsuguda is about 90 kms from the project site. Raipur is about 250 kms from the project site. The nearest rail head Raigarh Railway Station (on South East Central Railway, Howrah-Bilaspur Broad Gauge), is approximately 30 kms from the project site.
23.0	OTHERS
23.1	ALL OTHER TERM & CONDITIONS OF THIS SPECIFICATION, NOT MENTIONED ABOVE SHALL BE GOVERNED BY THE PERTINENT PROVISIONS OF GCC.

ANNEXURE-I

CRANE LOG SHEET (FOR BHEL'S HIRED CRANE)

[illegible]

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PART-2: TECHNICAL SPECIFICATION (TS)**TECHNICAL SPECIFICATIONS**

CLAUSE NO	DESCRIPTION	BIDDER'S COMPLIANCE
1.0	SCOPE OF WORK	
1.1.1	PROVIDING 1 NO. 350MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60MT (MINIMUM) BELOW HOOK AT AROUND 28M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86M (MINIMUM) ABOVE GROUND LEVEL ON MONTHLY RENTAL BASIS AT BHEL-PSER 2X800 MW LARA SUPER THERMAL POWER PLANT PROJECT, STAGE II, RAIGARH, CHHATTISGARH. FOR CRITICAL LOAD AND OTHER LOAD LIFTING, CAPACITY UTILIZATION OF THE CRANE SHALL NOT EXCEED 85% CAPACITY OF RATED SAFE WORK LOAD AT LIFT RADIUS AS PROVIDED IN THE LOAD CHART (e.g. IF THE CRANE'S RATED SAFE WORK LOAD AT LIFT RADIUS OF 18M IS 100MT AS PER LOAD CHART, THEN THE LOAD LIFTING CAPACITY ALLOWED FOR THE CRANE WILL BE 85MT AT 18M RADIUS) THE ABOVE CRITICAL LOAD LIFTING CAPACITY SHOULD BE MET EITHER WITH THE BASIC CRANE OR WITH SUITABLE CAPACITY ENHANCER / HLA (HEAVY LIFT ATTACHMENT) / SUPER-LIFT ATTACHMENT. WEIGHT OF HOOK BLOCK AND SLINGS SHALL BE DEDUCTED FROM THE LIFTING CAPACITY OF THE CRANE TO MEET ABOVE REQUIREMENTS.	
1.1.2	A LIFTING DRAWING SHOULD BE SUBMITTED WITH TECHNICAL OFFER SHOWING CLEARANCE BETWEEN THE BOOM & JIB AND THE CRITICAL LOAD AS MENTIONED ABOVE (DIMENSION OF 10M LENGTH × 10M WIDTH × 6M HEIGHT APPROX.). THE CRITICAL LOAD MUST NOT FOUL WITH THE BOOM OR JIB AT THE TOP OF THE JOB ELEVATION OF 81M. AT THIS ELEVATION, A MINIMUM CLEARANCE OF 0.50M MUST EXIST BETWEEN THE BOOM OR JIB AND THE CRITICAL LOAD.	
1.2	CRANE DETAILS	CRANE TECHNICAL SPECIFICATIONS AND COMPLIANCE MUST BE SUBMITTED ALONG WITH OFFER.
1.2.1	CRANE CAPACITY	350MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60MT (MINIMUM) BELOW HOOK AT AROUND 28M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86M (MINIMUM) ABOVE GROUND LEVEL WITH 85% CAPACITY OF RATED SAFE WORK LOAD AT LIFT RADIUS OF THE CRANE.
1.2.2	MAIN BOOM LENGTH REQUIREMENT (MINIMUM)	82M (MIN)
1.2.3	LUFFING JIB LENGTH REQUIREMENT (MINIMUM)	60M (MIN)
1.2.4	COMBINATION OF BOOM & JIB (M + M) {MAIN BOOM + JIB REQUIREMENT}	112M (MIN) {MINIMUM 42M LUFFING JIB SHALL BE FITTED AT MINIMUM 70M LENGTH OF THE MAIN BOOM}
1.2.5	THE END TO END CRAWLER WIDTH OF THE CRANE SHALL BE WITHIN 9M.	

1.3	OTHER JOBS ALSO HAS TO BE CARRIED OUT BY THE CRANE DURING ITS DEPLOYMENT AT SITE FROM TIME TO TIME AS PER REQUIREMENT WHICH SHALL BE WITH IN ITS CAPACITY AND REACH. HOOK BLOCK SHOULD BE MADE AVAILABLE FOR WORKING SEPARATELY WITH MAIN BOOM OR THE HOOK FOR WORKING WITH THE MAIN BOOM & JIB COMBINATION. HOOK BLOCKS OF DIFFERENT CAPACITY LIKE AROUND 10~25 MT (BALL HOOK), 35~120 MT, 130~ 200 MT, 210~300 MT, 310~400 MT, ETC. (AS PER AVAILIBLTY WITH PARTICULAR MODEL'S OF THE CRANE) SHOULD BE MADE AVAILABLE WITH THE OFFERED CRANE MODEL. THE HOOK BLOCKS SHOULD BE SUITABLE FOR HANDLING CRITICAL LOAD AND SUITABLE FOR LIFTING LOADS OTHER THAN CRITICAL LOAD IN CAPACITY OF THE CRANE.	
1.4	AGE OF THE CRANE: THE AGE OF THE CRANE SHOULD NOT BE MORE THAN TWELVE (12) YEARS AS ON LAST DATE OF SUBMISSION OF TENDER. RELEVANT DOCUMENTS IN SUPPORT OF THE SAME SHALL BE FURNISHED BY THE BIDDER ALONG WITH OFFER. IN CASE THE DATE & MONTH OF CRANE MANUFACTURING IS NOT AVAILABLE, THEN 31ST DECEMBER OF THE MANUFACTURING YEAR OF THE CRANE SHALL BE CONSIDERED AS THE MANUFACTURING DATE. IN CASE THE MONTH IS WRITTEN WITHOUT A DATE, THEN LAST DAY OF THE RESPECTIVE MONTH SHALL BE CONSIDERED AS THE MANUFACTURING DATE.	
1.5	SAFETY DEVICES: - THE CRANE SHALL BE EQUIPPED WITH ALL THE FOLLOWING SAFETY DEVICES: a) CUT OFF DEVICES WHEN EXCEEDING THE PERMISSIBLE LOAD MOMENTS. ELECTRONIC CONTROL TO STOP ALL DANGEROUS OPERATION IN CASE OF INSTABILITY. SAFE LOAD INDICATOR WITH VISUAL DISPLAY IN OPERATORS CABIN FOR LOAD CHART, MAXIMUM ALLOWED LOAD, GROSS LOAD, NET LOAD ON HOOK, OPERATING RADIUS AND SINGLE BOOM/JIB LENGTH, BOOM/JIB SHEAVE HEIGHT ETC., AND FAULT DISPLAY b) HOIST & BOOM HOIST LIMIT SWITCHES c) DISPLAY ARRANGEMENT FOR SELF-ERROR DETECTION SYSTEM d) ANEMOMETER e) SELF-TEST SYSTEM f) ELECTRONIC INCLINOMETER THE OFFERED CRANE SHOULD HAVE BOOM TRAVEL LIMIT ALARM/STOP AND HOIST TRAVEL ALARM/ STOP SAFETY FEATURES AS MINIMUM REQUIREMENT. OTHER ADDITIONAL SAFETY FEATURES, IF ANY, SHOULD BE MADE AVAILABLE TO USER WITHOUT ANY ADDITIONAL COST.	
1.6	THE BIDDER SHALL BE SOLELY RESPONSIBLE AND ACCOUNTABLE TO DEMONSTRATE FITNESS OF THE CRANE, AND SHALL CARRY OUT THIRD PARTY INSPECTION (TPI) INCLUDING LOAD TEST ETC., TO DEMONSTRATE FITNESS OF THE CRANE.	
1.7	BIDDER SHALL SUBMIT ALONG WITH TECHNICAL BID A COPY OF LOAD CHART, RANGE DIAGRAM, TECHNICAL DETAILS, ETC., OF OFFERED CRANE.	
1.8	BIDDER SHALL MAKE AVAILABLE THE COMPLETE SET OF MAIN BOOM & JIB ATTACHMENT WITH ALL OFFSET ANGLE ADJUSTMENT FACILITY AS SPECIFIED FOR THE CRANE IN ONE GO, THAT IS AT THE TIME OF MOBILIZATION. HOWEVER, THE CRANE SHALL BE INITIALLY	

	AND SUBSEQUENTLY ASSEMBLED AS PER THE SITE REQUIREMENT TO BE SPECIFIED BY BHEL SITE ENGINEER. BIDDER SHALL FURNISH THE DETAILS OF MAIN BOOM & JIB CONFIGURATION OFFERED FOR RESPECTIVE CRANE IN THEIR TECHNICAL BID.	
1.9	BIDDER SHALL SUBMIT SKETCH/ DRAWINGS/ MANUAL OF THE CRANE WITH BOOM LENGTH AND WORKING RADIUS AND OTHER CONSTRUCTIONAL DIMENSIONAL DETAILS OF CRANE FOR MEETING THE LIFT REQUIREMENT AS GIVEN IN THIS TENDER SPECIFICATION AND INDICATING CLEARANCE UNDER THE HOOK FROM THE TOP ELEVATION OF TOP PIECE AND OTHER ASPECTS (SUCH AS SLINGING/ HOOK BLOCK WEIGHT AND CLEARANCE UNDER THE HOOK) SHALL BE TAKEN INTO ACCOUNT TO MEET THE ABOVE LIFT REQUIREMENT.	
1.10	THE CRANE SHALL BE USED FOR ERECTION OF BOILER, VARIOUS EQUIPMENTS, ROTATING MACHINES, STRUCTURAL ITEMS, PIPES AND ANY OTHER ITEMS OF BHEL JOB AT "BHEL-PSER 2X800 MW LARA SUPER THERMAL POWER PLANT PROJECT, STAGE II, RAIGARH, CHHATTISGARH".	
1.11	CAPACITY ENHANCER - HEAVY LIFT ATTACHMENT (HLA) / SUPER-LIFT ATTACHMENT (SLA): MRHL (MID RANGE HEAVY LIFT) CRAWLER CRANE WILL BE ACCEPTED WITH OR WITH OUT HLA /SLA. HOWEVER, THE CRANE SHALL ESSENTIALLY MEET THE SPECIFIED LIFT REQUIREMENTS WITH OR WITHOUT HLA /SLA. THE CRANE SHALL BE CAPABLE TO LIFT LOADS IN THE REGULAR OPERATING RANGE WITHOUT HLA. NECESSITY OF HLA SHALL BE LIMITED TO ENHANCING THE LIFT CAPACITY (HIGHER LOADS OR HIGHER REACH OR BOTH) AND NOT AS A PERMANENT FEATURE.	
1.12	BIDDER SHALL PROVIDE ALL LUBRICANTS, SPARE PARTS, FILTERS, OTHER NECESSARY CONSUMABLES (EXCEPT FUEL) AND THAT ARE NECESSARY TO FULFILL THE SCOPE OF SERVICES UNDER THIS SPECIFICATION WITHIN THE QUOTED RATES. BHEL/ ERECTION CONTRACTORS OF BHEL WILL PROVIDE FUEL COMMENSURATE WITH UTILIZATION TIME AND AGREED CONSUMPTION RATE.	
1.13	CONSUMPTION OF FUEL SHALL BE AS INDICATED BY THE BIDDER IN THIS OFFER (TECHNICAL BID). EXCESS CONSUMPTION, IF ANY, DUE TO INEFFICIENT ENGINE PERFORMANCE, LEAKAGE, THEFT AND OTHER REASONS ATTRIBUTABLE TO THE BIDDER/CRANE SHALL BE ON THE BIDDERS ACCOUNT. THE BIDDER AT HIS OWN COST SHALL ARRANGE AND MEET THE HSD FUEL REQUIRED DURING BREAKDOWN MAINTENANCE.	
1.14	BIDDER IS REQUIRED TO BRING SUFFICIENT NUMBERS OF STEEL MATS/ PLATES FOR PLACEMENT UNDER CRAWLER FOR MOVEMENT OF CRANE DURING EXECUTION OF JOB AT SITE ON ITS OWN WITHOUT ANY COST TO BHEL.	
1.15	TECHNICAL BID & OWNERSHIP OF CRANE	
1.15.1	THE BIDDER IS TO FURNISH ALL DETAILS REGARDING CORRECT SPECIFICATION OF CRANE AND AGE PROOF (REFER THE DETAILS NOTED ABOVE REGARDING "AGE OF THE CRANE"), OWNERSHIP DOCUMENTS LIKE INVOICE OF CRANE, INSURANCE, ETC. OR MOU/ AGREEMENT OF CRANE LEASE (IN CASE THE OFFERED CRANE IS IN LEASE) AND INSURANCE COVERAGE TAKEN FOR THE CRANE AND ALL OTHER RELEVANT INFORMATION REGARDING THE CRANE IN THE TECHNO-COMMERCIAL BID. IF BIDDER WANTS TO PROCURE AND DEPLOY CRANE, THEN BIDDER HAS TO SUBMIT DULY NOTARISED UNDERTAKING (TOWARDS DEPLOYMENT OF PURCHASED CRANE) ON NON-JUDICIAL STAMP PAPER WITH APPROPRIATE VALUE ALONG WITH THE COPY OF PROFORMA INVOICE AND PURCHASE ORDER/ CONFIRMATION LETTER FOR PROCUREMENT FROM SELLER ETC. FINALISING CRANE MAKE AND MODEL.	

1.15.2	BIDDER SHALL PROVIDE THE ACCEPTED MODELS WITH SL. NO. OF CRANE OFFERED ALONG WITH THEIR TECHNO-COMMERCIAL BID.	
1.15.3	BIDDER SHALL INDICATE THE PRESENT LOCATION OF THE SPECIFIC CRANE (SOURCE OF DEPLOYMENT) OFFERED, AS ON THE DATE OF BID-SUBMISSION OF THE TENDER. BHEL RESERVES THE RIGHT TO CHECK THE HEALTHINESS OF THE CRANE AND AUTHENTICITY OF THE LOCATION OF THE CRANE DURING SCRUTINY OF OFFER AND IF THE SAME IS NOT FOUND IN ORDER THEN TECHNICAL BID OF THE VENDOR SHALL STAND REJECTED.	

ANNEXURE-A: Technical Specifications

SL. NO.	DESCRIPTION	BHEL's REQUIREMENTS	BIDDER'S COMPLIANCE
1	Name of crane manufacturer	Required	
2	Crane model no.	Required	
3	Crane Mfg. Year	Required	
4	Capacity of Crane	350MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB.	
5	Boom & Jib Construction	Lattice	
6	Total Main Boom Length	82M or Above	
7	Jib Type	Luffing Jib	
8	Jib Length	60M (Min)	
9	Critical/Specific Load Lifting Requirement	350MT OR ABOVE CAPACITY MRHL (MID RANGE HEAVY LIFT) HYDRAULIC CRAWLER CRANE HAVING LATTICE BOOM & LUFFING JIB WITH CRITICAL LOAD LIFTING CAPACITY OF 60MT (MINIMUM) BELOW HOOK AT AROUND 28M (MINIMUM) RADIUS WITH MAIN BOOM AND LUFFING JIB COMBINATION TO OBTAIN CLEAR HEIGHT BELOW HOOK OF 86M (MINIMUM) ABOVE GROUND LEVEL WITH 85% CAPACITY OF RATED SAFE WORK LOAD AT LIFT RADIUS OF THE CRANE. THE CRITICAL LOAD (10M LENGTH × 10M WIDTH × 6M HEIGHT APPROX.) MUST NOT FOUL WITH THE BOOM OR JIB AT THE TOP OF THE JOB ELEVATION OF 81M. AT THIS ELEVATION, A MINIMUM CLEARANCE OF 0.50M MUST EXIST BETWEEN THE BOOM OR JIB AND THE CRITICAL LOAD.	
10	Crawler to Crawler outer dimension in mtrs	Within 9M	
11	Heavy lift Attachment (HLA)	Yes	
12	LIFTING CAPACITY OF HOOK BLOCKS IN MT	AS PER AVAILABILITY WITH PARTICULAR CRANE MODEL'S OF THE CRANE (BIDDER TO DECLARE AVAILABILITY)	
12.a	1 no. of 310~400 MT lifting capacity	Required	
12.b	1 no. of 210~300 MT lifting capacity	Required	
12.c	1 no. of 130~ 200 MT lifting capacity	Required	

12.d	1 no. of 35~120 MT lifting capacity	Required	
12.e	1 no. ball hook i.e. 10~25 MT	Required	
13	Safety Devices	Required	
13.a	Cut off devices when exceeding excessive load moment	Required	
13.b	Main Hoist, Jib Hoist & Boom Hoist limit switch	Required	
13.c	Travelling & Swing Flasher/Warning Buzzer.	Required	
13.d	Load Moment indicator (LMI)	Required	
13.e	Headlight and tail light must be available and in working condition.	Required	
14	Option for Crane model offered.	Yes / No	
15	Crane Load Chart with Range Diagram Enclosed	Required	
16	Crane Product Catalogue Enclosed	Required	
17	Crane Average Fuel Consumption Per Hrs.	Required (To be mentioned)	
18	Present Location of offered crane	Required (To be mentioned)	
NOTE	1. Bidders are required to fill up the details against sl. no. 1 to 18. 2. Bidders to furnish documentary evidence for all the details filled up. Bidders to note that their respective models shall be considered by BHEL only if all the minimum requirements are fulfilled. 3. Use additional sheet of this annexure if required.		