



BHARAT HEAVY ELECTRICALS LIMITED

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

CORPORATE INFORMATION TECHNOLOGY
NOIDA

AMENDMENT - TENDER NOTICE

Ref. No.: AA: CIT: P31:PM-SW

Date: 10th August 2010

M/s

ALL BIDDERS

Dear Sirs,

**Subject: Tender Enquiry for IT Based Project Monitoring Software System –
Postponement of Tender Submission date**

Sealed quotations were invited for the supply, installation and implementation of "IT Based Project Monitoring Software System" as per tender enquiry ref. no. AA:CIT:P31:PM-SW, dated 22nd March 2010 (NIT_8018) published on BHEL Corporate Website (www.bhel.com).

In this regard, it is informed hereby that the tender submission date is being extended by **ONE** week. Also, reply to various queries received in respect of this tender enquiry is appended below.

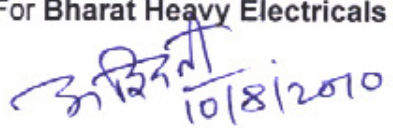
Please note that the sealed tenders will now be received by us up to **1100 hours on 18.08.2010**. Techno Commercial Bids (Part-I) may be opened at **1500 hours on 18.08.2010** in the presence of such bidders and /or their authorized representatives who choose to be present. **BHEL takes no responsibility for delay, loss or non-receipt of tender documents sent by post and also reserves the right to accept or reject any or part of the tender without assigning any reason thereof. All other terms and conditions will be as per original tender enquiry.**

Tender should be sent to the office of:

**Sr.DGM (IT-Purchase)
Bharat Heavy Electricals Limited,
CIT Hall, 2nd Floor, HRD & ESI Complex,
Plot No. 25, Sector – 16A, NOIDA (UP) 201301**

With regards

For Bharat Heavy Electricals Ltd.


(Ashwini Kumar)

Sr.DGM (IT Purchase)

Tel No.: (0120) 2510505

Email : ashwini@bhel.co.in

Reply to Queries

	Queries by vendors	Clarification by BHEL
1	Please provide details of all Manufacturing Units where Project system has to interface?	All units namely Trichy/Piping Centre, Hardwar, Ranipet, Hyderabad, Bhopal, EDN, Jhansi, Rudrapur, ISG, & TBGPEM, Regions.
2	Please provide information on what kind of Data and the volume of Data transaction to the Project System	Approximately twenty thousand activities per project to be updated from start to finish along with percentage completion across the span of project approx. 3 years. Typical Data volume of 100K elements/records per project
3	Please elaborate the Scope of work during maintenance phase	Operational support including database, S/w application trouble shooting
4	Please elaborate the work flow of the project system?	Mktg/PMG to Mfg-Unit to Site/customer
5	Please elaborate on Management Information reporting and dashboard?	Formats of the sample reports enclosed.
6	What kind of Collaboration functionality between Regions, sites and manufacturing units?	Collaboration is through data exchange. Elaborated in Specs.
7	What is BHEL meaning for Resource allocation at Regions & project sites? Will PMS integrate with any HRMS system or vendor has to develop a module to fetch the information into PMS system	Only resources deployed at sites need to be captured as an information. T&P, Crane, Hook, Induction Welding, Welding eqpt, Stator Sling, Hoist etc. Critical Matl identified during budget Not to be integrated with HRMS.
8	Delivery of the software will be 6 to 8 weeks and after that installation will start. Please consider.	Ok.
9	Please elaborate on training requirement?	As per tender.
	Training:	
10	Can you share the number of users and the profile (end users) that would be required to be trained?	As per tender.
11	"Multi project environment- up to 50 projects to be opened and present dash board info." Is the 50 project maximum limit or it will increase gradually in coming years	It will increase.
12	"Report wizard to create own reports" "Customization or creation of reports"	

	How many types of report are expected	As per attached formats.
13	What are the different roles of users anticipated for the Web application e.g.? Suppliers , Administrators , Different Departments, General public, etc ?	Data updation and MIRs at Enterprise level in view mode. PortfolioManager, ProjMgr, WBS level, Field userLevel, Update-view window
14	Software annual maintenance includes upgrades and updates	Yes.
15	Change control process during Maintenance phase is not mentioned. But is expected to implement whatever changes are suggested.	Yes.
16	How much change to the system is expected.	Up to 10% of implementation per year.
17	"E mail support for project reports, schedule, notifications and alerts"	
	Does BHEL wants a link to MS mail i.e. (OWA)?	Yes.
18	What type of Documentation is required (User Manual; Technical Manual)	User manual and technical manual.
19	"Configuration of system for updation of network from sub-network/ sub-system at different location."	
	Is there any migration requirement of the system at different location?	No. Interface to systems at Unit level is required.
20	"Interface with manufacturing units systems"	
	What other interfaces are required other than Manufacturing units.	Interface with project sites.
21	Is there any requirement for Data Archival. What should be its frequency?	Yes. Daily backup. Project to be archived after closure.
22	Please share a Matrix of all ERPs or other solutions which are present in Units/Project sites from/to which an interface is desired with the Project Management System. Also the current functionality in use & the data which needs to be exchanged which Project Management System need to be defined.	Interface with 4 Units using SAP, 10 Manufacturing Units using Oracle and Project Site is required. Smaller units will have local systems running on MS applications.
23	How user authentication would happen? Whether all the users belongs to Central Directory? Do BHEL has centralized Active Directory or to be proposed?	Through system. No centralised Active Directory available.

24	Manufacturing supplies status from manufacturing units? Will the data provided through any other application or manually entered?-- need clarity	Interface to be developed for retrieval from mfg units/Region/site
25	Material clearance /material Input status ? Need clarity	Once matl is issued for mfg, or available thru procmt as defined in the network
26	Engineering clearance status ? Need clarity on how and what clearance will be given.	As defined in the network structure
27	E mail support for project reports, schedule, notifications and alerts? Need details of the Email system	Yes.
28	Clarify what do meant by back to back agreement from OEM. Does it mean authorization to sell this product/Licenses.	Yes.
29	Kindly elaborate more about existing Hardware / Network Setup in BHEL on which the Project management Software would be installed? Is Supply of hardware is in the scope of work for SI?	No. To be suggested by SI.
30	Is network connectivity part of scope of work for SI. If yes, kindly elaborate on existing Network Setup.	NO.
31	Is travel foreseen? If yes Who would borne the cost of boarding & travel. The cost of travel to be paid by BHEL? Or SI may load it in the financials in the head "Enterprise wide roll out for all projects"	Yes. Cost to be borne by SI.
32	What kind of travel is envisaged in relocation / shifting of System? Insurance t continue after acceptance of delivery of goods by BHEL?	Shifting/Relocation within NCR only.
33	Training to be given by OEM or SI? Any certificate for training to be provided on completion of training? Kindly provide total number of Users to be trained category wise. (Core/Higher Mgmt, Admin etc.)	By SI. Certificate not required. As per tender.
34	Kindly elaborate more about need for relocation for a Web Based System? Would the Software be first installed on rented machines?	not required.

35	The Post Implementation Support to be carried out from BHEL HQ or at client setup also.	At BHEL HQ.
36	Cost of ATS should be paid quarterly as System Integrator has to pay ATS cost 100% in advance to OEM	As per tender.
37	What is BHEL's primary technology platform/architecture - in the context of this proposed PMSS?	As per tender. However, existing networks in Primavera to be used, and Primavera output/network reqd to be generated for Customer use
38	Do you have any specific constraint or mandate on using any particular technology platform, e.g. Microsoft Platform or Java/J2EE or Unix/Linux platform?	No, however, Security Robustness of the network architecture with capability to handle data volume and 20000 activities, speed of response etc. to be ensured
39	What is the enterprise reporting platform at BHEL (if any)?	None
40	If there is no existing platform at this time, is there any inclination/mandate on choosing any particular solution?	Existing platforms of units
41	What is the enterprise document management platform at BHEL (if any)?	
42	If there is no existing platform at this time, is there any inclination/mandate on choosing any particular solution?	Interface to be developed for retrieval from mfg units/Region/site
	Page# 13 of the RFP (Part B, SL 7) talks about systems integrations/interface requirements with "manufacturing units system".	
43	Could you please elaborate on what all other systems need to be integrated with proposed PMSS?	SAP, Oracle, SQL based applications
44	Out of the various integration requirements (if more than one) which ones are the "most important" integrations and what are the priorities of those integrations?	All.
45	Do you intend to replace any existing system (probably multiple systems) by this proposed PMSS?	No.
	Is it the first time BHEL is taking up such an initiative or was there earlier attempts to roll out an enterprise wide project management solution?	NA
46	Do you already have licenses for any Project Management solution?	Yes.

47	Across your plants, what is the predominant desktop software that is used today (if any) for desktop based project management, e.g. resource planning, scheduling etc.	Primavera. Offered Software Solution may be able to use the existing Project Networks. It must also be able to generate Project networks to be used on Primavera software by customers. .
	▪ In case you are not using any formal desktop based project management software today – how are you taking care of planning & project management activities (e.g. manually using excel etc.)?	NA
48	Do you have any existing system for time recording today? Do you want to capture and track time recording too?	Yes.
	▪ If yes, then would you like to continue with your existing system?	Yes.
	▪ Almost all the leading PMSS packages today offer their own time tracking & management modules/features – that are powerful and comprehensive. In this case, will BHEL be interested to replace their existing time tracking system (if any) with the one that gets shipped with the selected PMSS?	Yes.
49	Do you have any specific information security requirement in the context of accessing the proposed PMSS?	Security at different level of users for different views and updation.
	As specified in the RFP users of this proposed PMSS might be situated across various sites of BHEL:	
50	▪ Does each of these sites have appropriate connectivity infrastructure in place so that they can access any centralized online PMSS? Or, is there is a need to implement a combination of online/offline mechanism when it comes to establish collaborations between sites (if required)?	Yes.
51	▪ Does each of the sites have appropriate and standard desktop/laptop devices to access the proposed PMSS - or is there a need to integrate any non-standard devices (e.g. handhelds, Palms etc.)	Yes.
52	What is the desktop productivity software and which version of it PMSS uses today (e.g. version of Microsoft Office)?	MS Office 2007.

53	How important/critical is the Email facility? Are you looking at this email facility as an integrated feature of the proposed PMSS? • Which Email client you use today (e.g. Outlook or Lotus Notes)?	Yes.	
54	What is the current Project Monitoring System in Place at BHEL?	Outlook/Outlook Express/Windows Mail	
55	Is there any Data Migration of current projects in Scope for the current bid	No central system available.	
56	It is given that there are 50 users to be trained on PMSS solution. Please provide the break up in terms of Administrators, Web Users, Project Managers, Higher Management etc?	NO. However existing project network built in Primavera may be used.	
57	How many users/locations expected for Enterprise Roll out	Predominantly Core User training is required for all participants.	
58	Broadly, how many different types of projects do you have?	14 Manufacturing Units & 5 Project Sites.	
59	Do you use/have standard projects templates (available enterprise wide) for different category of projects?	10 to 15	
60	What are the different environments that BHEL is expecting for the PMSS. For E.g.. Development Environment, Test Environment and Production Environment for PMSS Implementation	As per Tender	
61	Configuration of system for updation of network from sub-network/ sub-system at different location. - Please elaborate	Production Environment.	
62	Vendor to provide the Post Implementation support for 3 years, what are the working days in a week and how many working hours per day in BHEL?	System should be able to update a node at L2 level from corresponding node at L3 level.	
		6 days a week. 8 hours a day.	

Status Report

IEPL BELA, 1x270 MW,ZERO DATE: 01.04.2009 As on 01.02.2010

MILESTONES	BES	DL	HT	LU	CES	TG-BOX UP	SYN	Full Load
L1								
SCHEDULE (Project Completion Schedule)	26.12.09	26.06.10	15.04.11	15.06.11	15.05.10	16.07.11	28.11.11	26.12.11
Act/Amt	10.02.10	26.06.10	15.04.11	15.06.11	15.05.10	16.07.11	28.11.11	26.12.11

ENGINEERING STATUS: (Engineering In Advanced Stage)

- Load and foundation details of Boiler and Turbine finalized with the customer.
- Major P & IDs and HBDs discussed and finalized with the Customer.
- GAs of major equipments like Boiler, Turbine, Condenser, ESP, Mills, BFPs and CEPs submitted to the customer.

MATERIAL DISPATCHES

- Boiler Foundation Materials is received at site on 30.11.2009.
- ESP Foundation Materials received at site on 15.01.2010

SITE PROGRESS:

- BHEL agency M/S TPS Builders, Chennai for Material Management and Boiler & Aux is mobilized at site on 30.11.09.
- Stores Yard ready. Closed sheds ready. Site Office expected to be ready by 10.02.2010
- E&C Mobilization Advance- received by BHEL
- HT Crane mobilized at site

CRITICAL ISSUES:

- BHEL, Trichy to dispatch structures and columns under PGs 35 and 36 to start Boiler Erection.

CUSTOMER INPUTS:

- Construction Water ready. Construction Power to be made available.
- Boiler Foundation- Handed over by Customer to BHEL on 25.01.2010

Boiler Erection Start expected by 10.02.2010

DHI Report

S. No.	PROJECT State Zero Date	Commg Schedule	Work Completed as at end of Month being reported		Exp/ Act Sync. / Commg	Reason for delay, if any	Remarks
			PHY %	FIN %			
28	PARAS-II 1x250 MW, MSPGCL Maharashtra 31/08/2006 BTG Total contract value: Rs 671 Cr	06/09	Supplies 95 Blr TG 87 Erection 86 Blr TG 77	67	12/09	6-7 Months delay in handing over of TG foundation/TG hall & EOT crane by customer Urgently required civil inputs:- -Mills CD, EF Foundation - Feeder floor -Raw coal bunker Mill A & B	Boiler: -Drum Lifting done on 15/05/2008. HT Drainable completed on 18.02.09 1. Boiler lighted up successfully at 1820 Hrs on 22.07.09 Alkali Boil out & Acid cleaning: 30.08.09(exptd) Steam Blowing: 30.09.09 (expected) Condenser: LP Extraction piping welding in progress. TG: 1. Oil Flushing started on 23.07.09 2. Integral piping in progress. 3. Regenerative piping work in progress. 4. Dearthor Fit up in progress

DAILY REPORT

SL NO	PROJECT	GENERATION / NEXT MILESTONE/ERECTION AGENCY	REMARKS / BRIEF STATUS ON CRITICAL SYSTEM READINESS
1	Adhunik (MP STPP Unit 1 (1X270 MW BTG) PS ER Zero date: 19/05/09 COD:18/01/12 Adhunik Power & Natural Resources Ltd. Construction Manager Sh. S.K.Bandopadhyay, SDGM Mob. no 9433050140 PING Project Manager	Boiler Drum Lifting 30/07/10 BES as per LT: 19/03/10 Started on -18/03/10 Boiler Agency: Bridge & Roofs Ltd. (LOI-10/02/10) Condenser erection start:30/09/10 TG Agency: Sch. 08/10	BTG Engg. - Imported items list yet to be submitted by EDN, Jhansi & PEM Boiler: 1866 MT/ 9100 MT boiler structural material dispatched from TRY. - Trichy stopped further supply of materials due to non availability of LC. - Erected 333 MT. Further erection work in progress. 3rd crane 75 MT received from Budge-Budge site. Assembly completed - One no. of 90 MT crane expected to dispatch from Kahaigaon - ESP : 509 MT dispatched from Ranipet. Material available up to all 1st tier plus bearing level. - Erected 148 MT. Alignment work in progress TG: - Hwr placed order for all castings & forgings. PSER: - Safety services package: Bd under technical scrutiny. Customer Progress: - Pooja for power house erection performed on 05/05/10 & column erection started. - Main plant foundations: TG Raft/Column casting in progress - Water treatment plant LOI released to M/s PCR. - Common raw water intake line with branching to steel plant completed. Branching to MP STPP including pumps and switch gear completion expected by 05/10. - Ash handling plant LOI released to M/s Mecawber Beekay. - Coal handling plant enquiry opened. - Chimney LOI released to M/s Sipco of Mumbai. - APNRL has engaged M/s TCE for design & supervision of Chimney. - EOT crane ordered on M/s Anupam - IDCT LOI released to M/s Gammon India. Customer constraints : - BHEL site enabling work held –up due to interference of nearby local persons. APNRL yet to resolve the issue. Overall project progress suffers due to such disturbances. - Area allocated to BHEL for covered shed, office etc. is neither leveled nor compacted

Comment [m1]:

SL NO	PROJECT	GENERATION / NEXT MILESTONE/ERECTION AGENCY	REMARKS / BRIEF STATUS ON CRITICAL SYSTEM READINESS
	Sh. AK Nigam Mob. No. 9819573028 Customer CEO Sh. DP Sarawgi Mob. No. 9007477700		as such construction cannot be taken up due to sliding of soil during excavation. - Essentially certificates yet to be given by APNRL, revised commitment April, 10. - Custom clearance of Trichy raw materials at port and ordering of HYD are held up. - LC yet to be opened for this quarter. Outstanding Trichy 30 crores as on date. 500 MT ready for dispatch but under hold by Trichy.

Comment [m1]: