

## Appendix A

### 1. SCOPE OF WORK, DELIVERABLES & TIMELINES

#### 1.1 Project Objectives:

a) To set up zone wise Computer Labs in Secondary & Senior Secondary Schools in Jharkhand. The Computer Assisted Learning Model using a Network of minimum 10 computers in each school under centrally sponsored ICT@Schools program. Genesis behind the project is to provide IT infrastructure at the remotest corner of the state schools to fulfill the dream of poor student to use modern age technology in learning. Government of Jharkhand is planning to implement menu base Operating System and Application Software to provide user friendly environment to students.

b) Zone wise detail of District and number of Schools -

SL NO	Zone	DISTRICT NAME	NO OF SCHOOL
1	Zone -1	DEOGHAR	21
2		DUMKA	19
3		GODDA	13
4		JAMTARA	17
5		PAKAUR	17
6		SAHIBGANJ	9
7		BOKARO	21
8		CHATRA	14
9		DHANBAD	27
10		GIRIDIH	31
11		HAZARIBAG	31
12		KODARMA	7
13		RAMGARH	17
	<b>Zone-1 Total</b>		<b>244</b>
14	Zone-2	PASHCHIMI SINGHBHUM	23
15		PURBI SINGHBHUM	37
16		SARAIKELA-KHARSAWAN	18
17		GARHWA	14
18		LATEHAR	11
19		PALAMU	23
20		GUMLA	16
21		KHUNTI	12
22		LOHARDAGA	7
23		RANCHI	37

24		SIMDEGA	7
		Zone-2 Total	205
		Grand Total	449

- c) To establish an enabling environment to promote the usage of ICT especially in rural areas. Critical factors of such an enabling environment include widespread availability of Computer infrastructure, internet/Broadband connectivity and promotion of ICT literacy.
- d) To ensure the availability of quality content online and through client server architecture.
- e) Enrichment of existing curriculum and pedagogy by employing ICT tools for teaching and learning.
- f) To enable students to acquire skills needed for the digital world for higher studies and gainful employment.
- g) To provide an effective learning environment for children with special needs through ICT tools.
- h) Promote critical thinking and analytical skills by developing self-learning skills of the learner leading to student-centric learning.
- i) To promote the use of ICT tools in distance education, including the deployment of audiovisual medium etc.

## 2. Liquidated Damage/Penalties

### 2.1 Availability of the infrastructure & Penalty for Delay in installation and Non- Performance

#### 2.1.1 Penalty for delay in installation

- (i) In case of delay in installation / short installation after stipulated the school wise penalty will be recovered from the security deposit or may be deducted from the first payment at the following rates:
  - (a) Delay upto 15 days :  
2% of rate quoted (Total of Sr. No. 1-20 of financial Bid) for Supply by the bidder per school
  - (b) Delay exceeding 15 days but not exceeding 30 days :  
2.5% of rate quoted (Total of Sr. No. 1-20 of financial Bid) for Supply by the bidder per school
  - (c) Delay exceeding 30 days but not exceeding 60 days:  
3% of rate quoted (Total of Sr. No. 1-20 of financial Bid) for Supply by the bidder per school
  - (d) Delay exceeding 60 days :  
5% of rate quoted (Total of Sr. No. 1-20 of financial Bid) for Supply by the bidder per school
- (ii) If the bidder fails to install the Computer Lab within stipulated period, the contract may be cancelled and KELTRON is empowered to make alternative arrangements and the charge will be borne by the bidder.

#### 2.1.2 Penalty for Non Performance

1. Computer hardware and other peripherals
  - i. Onsite maintenance of Equipments
  - ii. H/W & S/W trouble shooting training for teachers/faculty members

- iii. Help desk services for Hardware, Software related problems
- iv. Installation of application software & all Educational software

## Responsibilities

- a) The bidder shall ensure repairing / replacement of all faulty material within the shortest possible time thus ensuring minimum downtime, failing which applicable penalty will be imposed.
- b) The bidder shall be responsible for maintaining the desired performance and availability of the system/services.
- c) If any equipment gives continuous trouble, say six times in one month during the contract period, the bidder shall replace the computer hardware with new one without any additional cost to the purchaser.
- d) Maintenance service free maintenance services shall be provided by the Bidder during the period of contract. The maximum response time for maintenance complaint from any of the destinations (i.e. time required for the maintenance engineer to report at the site after the problem brought to the notice) shall not exceed 4 working days (School working days). During contract period, if the complaint is not attended and resolved within 4 working days (School working days), after lodging complaint for each delayed days following penalty will be deducted
  - i. For Desktop Server/thin Clients, Cables, monitors, etc the penalty of Rs. 100.00 per delayed week.
  - ii. For keyboard, mouse, etc the penalty of Rs. 100.00 per delayed week.
  - iii. For Peripherals (Printer/UPS/Voltage Stabilizer) or networking components the penalty of Rs. 100.00 per delayed week.
- v. For all other equipment not covered (i. ii and iii. Above) above the penalty of Rs. 100.00 per delayed week.

If the bidder fails to keep the equipments in the working conditions the penalty will be recovered against from performance bank Guarantee submitted by the bidders / Quarterly Payment.

Note: If bidder does not rectify the problem within the time frame, then KELTRON can also rectify the problem and deduct the payment from bidder.

## Guideline for complaint redressal:

Bidder/contractor has to set up & ensure complaint redressal mechanism so that within 4 working days (School working days).from the date of complaint, the user's complaint get resolved. The school will lodge the complaints to school co-coordinator & update in the complaint register maintained at the school. The format of online/offline lodging the complaint need to be devised in consultation with school/ JSEPC in local language.

## 2.2 Details on Scope of Work

### 2.2.1 Scope of Work

(a) KELTRON will give preference to those vendors whose products support recognized industry standard methods and protocols. Equipment bid shall be new, current models manufactured with 100% new OEM parts. All products should be offered in current production as of the date of the award. For purpose of this contract "current production" shall mean that the equipment model is being manufactured as new equipment for the Indian market. Refurbished equipment is not acceptable. All equipment ordered as stated in the RFP must be installed fully configured with the required memory, components, and selected or specified operating system.

(b) Product cannot change or be upgraded during the entire lifecycle period for any reason other than end-of-life issues (e.g., swapping of processor, motherboard, etc. is prohibited). If a product will be discontinued within the given refresh period, KELTRON must be notified in writing, before the refresh period begins, with an explanation of when and why the change will be necessary. In this case product can be changed with equivalent or higher configuration. An exception process is available for circumstances that affect all manufacturers (e.g., natural disaster affecting production or shipping).

### 2.2.2 Specification

The Bidder is required: To supply, install & maintain computer hardware, software and connected accessories (with comprehensive warranty for 5 years) in zone-wise selected schools across Jharkhand (List attached as annexure).

i.) Supply of Computer Hardware, Software and connected accessories (must be brand new) and provide maintenance in the specified Schools as prescribed in the tender document for a contract period of five years.

ii.) Each School selected under ICT@Schools program to be equipped with the following minimum equipment as per the specifications prescribed in this tender document.

#### 2.2.2.1 Equipment to be supplied at each of the locations:

The following technologies are required to be distributed and installed to Schools of two zones of Jharkhand.

Technical Details of Hardware for each School: Device requirements are set out below:

SI No	Items	Description	Total Units (Nos)
1.	Computer Desktop Server	<p>Processor : intel i5 /AMD A10, X86 Architecture, with 4 dedicated cores or more with Min. 3.3 Ghz and 4 MB Cache or higher.,</p> <p>Motherboard: Compatible Chipset on OEM Motherboard</p> <p>Memory: 4 GB DDR3 1600 MHz or higher upgradeable to 16GB or more with 4 DIMM slots,</p> <p>Hard Disk: 1 TB SATA,7200 RPM</p> <p>Monitor: Min 18.5" LED TFT or higher from same OEM. TCO 06.</p> <p>Ethernet: Ethernet integrated Giga-bit (10/100/1000) with remote booting facility, Asset tracking and security management, remote shut down and wake up</p>	1
SI No	Items	Description	Total Units (Nos)

		<p>Mouse: Two Button PS/2 or USB Optical Scroll Mouse (same OEM make/Brand as system)</p> <p>Key Board: PS/2 or USB Key Board (same OEM make/Brand as system)</p> <p>Optical Drive: 16x DVD RW or higher</p> <p>Graphics: Onboard HD Graphics</p> <p>Audio Controller: Onboard Audio controller</p> <p>I/O Port: 6(Six) or more USB 2.0 ports(atleast 2 in front) ; 1Ethernet (RJ45);1 VGA Out; minimum 1 Audio line in / out; 1 Microphone line in.</p> <p>Expansion Slot: Atleast 3 PCI/PCIe slots</p> <p>Power: 280 Watt or lower with active PFC</p> <p>Cabinet: Micro ATX Cabinet</p> <p>OS &amp; Media :Window/Linux based latest operating System with latest browser, FLASH PLAYER, Acrobat reader 9.0 m or higher, Enterprise Client Management software with asset management to be able to control all the Thin Client functioning like re-start, shutdown, shadow, upgrade etc. with latest service pack preloaded license</p> <p>OS Certification Windows and Linux Certificate for the quoted model</p> <p>For OEM:ISO 9001 and 14001. For quoted Model: Energy Star 5.0, FCC, DMI 2.0</p> <p>Certification from ERTL(STQC)</p>	
2.	Thin Client	<p>Flash Memory :8GB Flash</p> <p>Main Memory :2 GB DDR3 SO-DIMM, Fanless Chasis</p> <p>Processor :x86, 1 Ghz Dual Core Processor or higher</p> <p>BIOS: BIOS should be of the same OEM</p> <p>Peripherals : (a) USB Optical mouse (b) 104 Keys USB OEM Keyboard</p> <p>10/100 / 1000 Mbps Ethernet NIC, RJ45 connector.</p> <p>Integrated Discrete-Level GPU with 128-bit engine</p> <p>Ports/Slots : 4 External High Speed USB 2.0</p> <p>Stereo audio output with internal speaker/External Speaker</p> <p>1 VGA analog Video Output &amp; 1 DVI-D/Display</p>	10

Sl No	Items	Description	Total Units (Nos)

Digital Video output

Monitor: Min 18.5" LED TFT or higher from same OEM. TCO 06.

Security :Option to enable / disable external USB ports.

OS Support : Embedded Linux based on Kernel 3.5 or higher

OS Security Feature: Config tool for configuring TC as Appliance.

Emulation/Protocol support : Citrix Receiver 13.2 & HDX Support, xRDP with RemoteFX,

Mozilla Firefox 31.

Horizon View 3.2 Broker support

Remote Management Agent

Built in tool to capture TC image and redeploy using a USB pendrive.

Terminal Emulation Suite.

Network: (a) TCP/IP with DNS and DHCP wake on LAN, PXE (b) PPPTP, L2TP, SNTTP)

Manageability: OEM Management software to manage Thin Clients from Centralized Server:

- Asset Track

- Grouping Of Terminals

- Device Online/Offline status

- Configure Device Settings

- Should support upgrade of group of thin client from central location

- Power management: Reboot, shutdown, Wake-on-LAN

Power supply: minimum 45W, 100-240 Volts AC, at 50-60 HZ, energy-saving automatic power-down, surge-tolerant, Must be external adapter to avoid internal heating

- Certification from ERTL(STQC).

3.	Antivirus Valid for whole period of year	Preloaded required number of antivirus with updates for whole contract period.	As per requirement of the architecture.
SI No	Items	Description	Total Units (Nos)
4.	Multifunction Printer	<p>Multifunction Printer :</p> <p>Print- speed -23 ppm or higher, 600 X 600 dpi or better, Duplex-Automatic, Network-Required, Paper supply-150 sheets or above, Interfaces-USB, RJ-45,</p> <p>Scan - Resolution 300x300 dpi or better, must support color and mono, speed 14 ppm or higher,</p> <p>Copy - Resolution 600 X 600 dpi or better, copier resize- 25% to 400%, and compatible driver software with the OS that is being used in the Servers/Clients is mandatory Certification from ERTL(STQC).</p>	1
5.	Internet Services for Schools	<p>Internet with speed of 2.0 Mbps or higher Telecom Services Provider: BSNL/Other Indian Telecom Service Provider (easy to Deploy with installed OS) and must be shared by all the users/Computer terminals of the Computer Lab.</p> <p>The Internet connection must be available for throughout the project period.</p> <p>Internet Service so provided to school may be wired or wireless.</p>	1
6.	Networking Components	<p>16 Port 1000 mbps unmanaged Switch should be Rack Mountable</p> <ul style="list-style-type: none"> <li>• Providing and fixing of 9U Rack Wall mounting of standard design</li> <li>• Providing and fixing of 24 Port Patch Panel with making necessary connections and of standard design <ul style="list-style-type: none"> <li>• CAT 6 UTP cable • CAT6 Patch Panel</li> </ul> </li> <li>• 9U wall mounting Rack, • 3m patch code from IO to PC <ul style="list-style-type: none"> <li>• 1m Patch code from patch panel to switch</li> <li>• Required nos. of Information outlet box</li> <li>• Certification: ISO 9000:14000 as OEM</li> </ul> </li> <li>• UL Listed , ETL, ROHS Compliant verified.</li> </ul> <p>Laying of cable with conduit pipe - as per actual</p>	1
7.	Wall Clock	ISI mark (branded)	1



8.	Genset	<p>Minimum 3.5 KVA, ISO 9001:2008, EMS 14000-2001 certified</p> <ul style="list-style-type: none"><li>• Type: Diesel/Petrol Run Silent Generator, 1500 rpm or higher.</li><li>• Engine: Engine should be electric auto start, water/Air cooled,= B.I.S. Certification mandatory for Diesel Engines</li><li>• Output Frequency: 50Hz+-0.5Hz, * Maximum permissible sound level should be 75 dB at 1 meter from the enclosure/coopy surface.</li></ul>	1
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Sl No	Items	Description	Total Units (Nos)
		<ul style="list-style-type: none"> <li>• Acoustic Enclosure: A proper canopy/shed arrangement has to be provided to house the Generator if Required. .</li> <li>• Installation: Suitable foundation, vibration isolation mounting should be provided, if required.</li> <li>• Indicators and warnings: Over speed /under speed/High water temperature/low lube oil etc.</li> <li>• Intake System: Naturally Aspirated</li> <li>• Certification for meeting CPCB - II norm.</li> <li>• Relevant BS and IS standard.</li> </ul>	
9.	Furniture (ISO Certified)	<p>Details about each School :</p> <p>Computer Table:13 units (ISO Certified), 600mm x 450mm x 725mm or better with sunmica top having facility for keeping CPU, Monitor, Keyboard and Mouse (pull out tray). Monitor should be fixed with tabletop to avoid damage.</p> <p>Chairs: 30 PVC/ Molded Chair without arm (ISO Certified)</p>	43
10.	Projector	<p>Projector : LCD/DLP Technology, Brightness : 3000 ANSI Lumens or higher, Min Resolution : XGA, Short Throw Lens, Contrast Ratio: 3000:1, Lamp Life : 10000 Hrs (Economy Mode)</p> <p>Standard Anti Glayer White marker board(6' x 4') with each Projector, which can also be used as projector Screen, VGA splitter with 3 or more VGA output and 10 meter VGA cable.</p> <p style="text-align: center;">OR</p> <p>Integrated Computer Projector (ICP) :</p> <p>Projection System with LCD/DLP Technology, Brightness : 2800 ANSI Lumens or higher, Min Resolution : XGA, Short Throw Lens, Contrast Ratio: 3000:1, Lamp Life : 10000 Hrs (Economy Mode), Computing Sysytem with Dual core CPU, 2.0 G Hz and above, RAM- 4 GB or higher, Harddisk - 500 GB or higher, Integrated graphics, DVD RW, LAN interface. Standard Anti Glayer White marker board(6' x 4') with each Projector/ICP, which can also be used as projector Screen, VGA splitter with 3 or more VGA output and 10 meter VGA cable.</p>	1

11.	UPS Servers, clients, Projector, Printer,	for thin	3 KVA online UPS with 1 hour backup Certification from ERTL(STQC)/BIS/NABL accredited government laboratory.	1
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Sl No	Items	Description	Total Units (Nos)
	Networking Component and minimum of 2 LED bulb/tube with required battery backup for 5 years.		
12.	Voltage Stabilizer	5.0 KVA Automatic Stabilizer. Input Range (70V-280V) single phase	1
13.	Software (Office Suite)	MS Office Professional 2016 (Academy) with perpetual license or Open Source Libre office latest version with an installable media CD	12
14.	Teachers Training	Ten (10) Teachers per school	No. of schools in the Division
15.	Manpower	One School Coordinator per school (For 60 months). In KGBVs the school coordinator should be essentially female.  One District Coordinator per District (For 60 months)  One Project manager per Zone(For 60 months)	No. of schools in the zone  No. of Districts in the Zone  1 Per Zone
16.	Computer education consumable	2000 sheets of A4 size paper (Min 70 GSM) Per Year Per School  3 new cartridge per year per Lab per school for multifunctional printer  1 TB External Hard disk with case cover having USB port Per school	No. of schools in the zone  No. of schools in the zone  No. of schools in the zone
17.	Genset consumable	For running of the Genset for four Hours per working day per school( For 60 months)	No. of schools in the zone
18.	Exhaust Fan	ISI & Branded Standard size (12 " or More)	1
19.	Fire Extinguisher	Portable Carbon Dioxide Handheld fire extinguishers (4 Kg or higher) as per IS specification	1
20.	Electric Sub meter	ISI marked Single phase Electric Sub meter	1

### 2.2.2.2 Services to be provided at each Schools:

- i) One School Coordinator per School, One District Coordinator per district.

(Detailed required qualifications are given below.)

- ii) Teacher Training.
- iii) Lab should run minimum 4 hours per day for 5 years and computer consumables to be taken care of by the bidder.
- iv) The Bidder may also need to install MIS software/application on all the systems to be supplied for the facility management, Infrastructure and asset management, monitoring of the IT education delivery etc. Bidder would also be required to send various reports using this application. Some of the MIS software/applications will be required to be pre-loaded in the equipments.
- v) The bidder must also provide online facility (Dash board) for monitoring of functioning, usage, etc of the ICT@School Scheme at District and State level. It also includes supply and installation of Web Cam at ICT lab for live monitoring of the project from State and District level

### **2.2.2.3 Manpower**

To provide the following personnel to manage the project on a full time basis:

- i.) State Coordinator: The bidder has to appoint one State Coordinator at the State level from the starting of the project, for co-ordination and implementation of the project and to provide periodic feedback and reporting to the Government authorities.

Education qualifications:

- Graduate in any discipline (MBA preferred)
- Minimum 10 years project management experience (5 years in handling such large school implementation projects)

Roles and responsibilities:

- In charge of the complete project management from the bidder
- To ensure smooth implementation of the project
- Monitoring of the performance of school Instructors, District coordinators (DC)
- Infrastructure maintenance.
- Conduct Monthly Review meets with the District Coordinators
- Vendor Management to ensure the Machines are have high uptime
- To visit Schools on regular basis to check the execution
- To get the desired data, reports on time always and to send monthly report to the education department
- To close all RED alerts within 7 days by co-coordinating with DCs and Vendor
- To schedule Faculty Induction and Technical Trainings
- Send Monthly reports to Head office and participate in the monthly review

Principal interface from the vendor with the Govt. throughout the project period

- To ensure the contractual obligations are met as per agreement

- MIS requirements from the Govt. are met
- Liaison with the government for submission of monthly reports, bill and timely collection of payment.
- Interaction with the Govt. on a regular basis to update the progress of the Project Attend all Quarterly Review meetings

ii.) District Coordinator: One District Coordinator (DC) for each district for monitoring and managing the schools at the district level. The District Coordinator will be responsible for providing a help desk and maintaining sufficient stock of spares and consumables.

#### Educational Qualifications:

- Graduate in any discipline
- 1 year Diploma in Computers or any other equivalent qualification in Computer Science/Computer from a recognized institute.
- Knowledge related to IT Hardware is a must
- Diploma in Hardware engineering preferred
- Minimum 4 years experience (Teaching experience / H/W engineering / customer support preferred)

#### Roles & Responsibilities:

- To review SCs on their performance
- To provide technical support to SC
- To verify maintenance of registers
- To verify equipment uptime
- To collect and verify all reports
- To coordinate maintenance work by vendors
- To send periodic reports to regional office
- To collect sign-off from SCs for the District
- To review school performance in consultation with Head Master (HM)
- To participate in discussions with HM about education delivery
- To conduct education delivery reviews:
- To find a replacement SC within 7 days of a SC's resignation
- To recruit SC by conducting tech/non-tech tests and interviews
- To conduct Induction or any other training program for SC
- Other district level Project Management

iii.) School Coordinator: Bidder shall provide one full time School Coordinator (SC) in each school (Per Zone) for 60 months (5 years) from the time of installing & commissioning hardware.

The School Coordinator will be responsible for computer education of students, maintain the hardware, software and accessories at the schools as well as provide assistance to the teachers in the use of the IT/ICT infrastructure.

Detailed roles & responsibilities are as below:

#### Education Qualification

- Graduate in any discipline
- MCA / BCA / BSc. IT/ PGDCA or 1 year Diploma or equivalent in Computers from any recognized/reputed institution.
- B.Ed from a reputed Institute will be preferred
- Minimum 1 year experience (hardware repairing experience preferred)
- Well versed in basic computer operations

## Prime Roles & Responsibilities

- Training students and if required teachers on IT skills as per the school syllabus and time table.
- To keep all the hardware and software in operational condition, on the spot training and hand holding of the teachers to enable the teachers to use the computers for computer teaching & also using educational e-content for Computer Aided Learning.
- To arrange the fuel for the Genset in case of electricity failure.

### Important Note:

- I. All the School coordinators to be appointed by the bidder and may be certified by KELTRON or agency authorized by KELTRON. The mode of certification process would be communicated to the bidder at the time of signing of the contract.
- II. All school coordinators will be required to be paid at least a salary of total (Cost to Company) Rs. 10,000/-(Ten Thousand) per month by the Bidder.
- III. Payment details, EPF and other statutory requirements should be fulfilled by the Bidder. Bank statement of the school coordinator and other statutory returns for them should be furnished by the bidder.

### Penalties

- i. For each district, one District Coordinator needs to be appointed. Each District Coordinator is expected to visit each school at least once in 3 months. If any school is not visited by the District Coordinator during the relevant quarter of the school, then a penalty of Rs. 500 per school for each of the Schools not visited will be levied on the service provider. Record of each visit, action on day of visit etc. must be properly recorded in registers available in School. The summary and compiled sheet for the visit and action taken must be sent to District and State office monthly basis or as and when required.
- ii. School Coordinator is allowed to take 16 leaves per year. In case, a school coordinator is absent from the school for more than 2 days in any month without the permission of HM, the bidder needs to arrange alternative school coordinator failing which a penalty of Rs. 300 per day would be levied on bidder for each day exceeding 2 days the SC is absent.

#### **2.2.2.4 Providing Training to Subject Teachers:**

##### a. Objectives of Training

The trainee becomes capable of using computer for normal operation & installing, operating & using the software.

- i. The trainee understands the manner in which the topic is dealt with the answer questions/queries from students on the topics.
- ii. The trainee should be able to make his/her own lesson plans using the MIS software developed by the Bidder and using the Internet facility available in the school.
- iii. The training should be hands on with the help of computers and software (educational)



developed.

- iv. The Training should include presentation/discussion on the topics by subject experts also.
- v. A teachers' manual should be made available to all the trainees.
- vi. Expected set of questions/answers should be provided at the end of the training.

## b. Training Delivery

The training shall be conducted at the district head quarters/DIETS/School and duration of training is as follows:

### b.1 Induction Training :

First time induction training should be provided to all teachers/selected teachers in ICT the selected schools. The average number of teachers to be trained per district will not exceed 10.

- i. Total number of training days- 10 @ Minimum of 6 hours training per day.
- ii. The training must cover –
  1. Introduction Session
  2. Computer Overview (Parts of PCs/ digital devices/ etc.)
  3. Operating Systems
  4. Productivity Suits and integration of power point in classroom teaching.
  5. Office Suit.
  6. Internet/ Email/browsing etc.
  7. Classroom learning and teaching tools- Projectors/collaborating networking etc., Use of ICT materials in teaching and learning.
  8. Assesment and Feedback.
- iii. 1:2 computer training ratio should be mentioned for every training program

### b.2 Refresher Training :

Refresher Training in use of ICT in teaching should be provided to to all teachers/selected teachers in ICT the selected schools. The average number of teachers to be trained per district will not exceed 10.

- i. Total number of training days- 5 @ Minimum of 6 hours training per day.
- ii. The training must cover –
  1. Working with multimedia
  2. Making and Editing movies, pictures, images. Etc.
  3. Overview of web applications
  4. Internet and e communications
  5. Overview of Management Information System
  6. Legal and ethical aspects of web based informations
  7. Computer technology and security
  8. Search optimization(search engines and how to take outrelevant content)
  9. Classroom learning and teaching tools.
  10. Overview of personalized learning.
  11. Assessment and evaluation.

Note : Above topics may change during the project period as per requirement and any guideline received from Central or State

government/NCTE/NCERT/CIET etc.

- iii. 1:2 computer training ratio should be mentioned for every training program

c. Training Module

The agency will have to get their training module ratified by the Technical Advisory Panel of the KELTRON or agency authorized by KELTRON.

- i. At least 10 teachers from each school needs to be trained.
- ii. Each training program will have maximum 30 persons.
- iii. JSEPC will provide training space for the training of teachers. Other necessary infrastructure such as computing equipments and other arrangements would be provided by the bidder. The bidder will have to also provide the requisite faculty and other learning resources required for the effective conduct of the training.

d. Penalty under Teacher Training

- i. The penalty for not/Partial imparting Teacher training will be calculated as follows:-

Induction Training: The average number of teachers per district to be trained is 10. If the average number of teachers trained is below 10, an amount of Rs 400/- per teacher training day loss per teacher or the amount quoted for teacher training per day per teacher (as arrived from the quoted cost of Teacher Training (Refresher) per school), whichever is higher will be taken for penalty calculation.

Refresher Training: The average number of teachers per district to be trained is 10. If the average number of teachers trained is below 10, an amount of Rs 400/- per teacher training day loss per teacher or the amount quoted for teacher training per day per teacher (as arrived from the quoted cost of Teacher Training (Refresher) per school), whichever is higher will be taken for penalty calculation.

### 2.2.2.5 E-Content for Schools

- i) The contractor shall install and maintain E-Content for Computer learning based on school syllabus.
- ii) Provide Training on usage of supplied e-Content to the subject teachers in the designated training centers provided by the department.

- iii) E - Content as per the following :

Std IX and X : Maths, Science, Social Science, Hindi, English

Std XI and XII :Physics, Chemistry, Biology, Mathematics, Geography, Political Science, Economics ,English

Language of Content : Both English and Hindi (for Hindi subject the language must be Hindi only)

Syllabus as prescribed by Jharkhand Academic Council. The one copy of e-contents or link of the e-content will be provided to the Agency by JSEPC/Department.

- iv) Any other e-content as provided by the Central/State Govt agencies as and when required.

### 2.2.3 Duration of the Contract

The duration of the Contract period for this programme will be 5 years. The duration spent for installation of Hardware and Software (Multimedia based content) will not be a part of contract

period. Hence the actual contract period starts after the successful installation of hardware and software & completion of deployment of all manpower required.

#### Other conditions

- i. The Contractor shall only use licensed versions of the software and shall be held liable for any consequent action arising out of patent/intellectual property right violations and the KELTRON shall not be liable for any liabilities or damages arising thereof.
- ii. The bidder will report to KELTRON on day to day basis for the progress/implementation of the project & inform the progress of the implementation schedules & milestones achieved.
- iii. The Bidder will be required to establish their Project Coordination Unit in the State, with adequate decision-making authority, for day-to-day coordination with the KELTRON. Any advice of the KELTRON will have to be responded within a period of 3 (three) working days.

#### Related Information

- i. Separate room for Computer lab required to install all computer systems will be provided by the Government / School free of cost.
- ii. School will provide single phase power connection. However, the required internal electrifications for installation of all the hardware items supplied with proper earth link and LAN cabling within the computer lab will be responsibility of the bidder. The bidder must ensure necessary safety provisions being taken while carrying out electrification within the lab to avoid any unforeseen event.
- iii. Bidder will pay for the electricity consumption made by the computers and accessories used in each school under this contract. And the cost of fuel for the generator set will also be borne by the bidder. When electricity is not available the bidder will ensure minimum four (4) hours of generator support per working day.  
The record of such cost so paid must be maintained at school with proper signatures of Teachers/Head Teacher of the school and must be made available to District/State as and when required.
- iv. All the computer systems, software and other equipment, fittings, furniture & fixtures supplied to the school for setting up and conducting training classes shall become the property of Government of Jharkhand after the end of the contract period.
- v. The successful bidder/contractor shall give on-site warranty for Computer Hardware, Software and connected accessories covering the contract period of 5 years.
- vi. The removal of Virus/ Malware/ Trojan/ Worm from the supplied desktops would be the responsibility of the successful Bidder/Contractor.
- vii. The bidder has to monitor the implementation of the scheme at the school level, install MIS software provided by JSEPC and submit periodical reports and also submit Quarterly Performance reports to the department.
- viii. The bidder has to establish Help Desk facility for the redressal of operational difficulties. KELTRON may appoint third party agency for inspection and audit to measure the success of the project during the tenure of the project and KELTRON may take any action, if required.

The successful bidder need to share all the information and co-operate with KELTRON / 3rd Party during the period of contract.

#### **2.2.4 Deliverables & Timelines**

Installation, testing and commissioning of Computer Systems and accessories shall be completed as per the following schedule:

a)	Signing of Contract	Day 01
b)	Commissioning of the Systems	90 days from the date of site readiness of the school
c)	Deputing manpower as asked	Within 90 days from the signing of Contract
d)	Teacher Training	To be started after the installation of the hardware & content in the schools have been completed

##### **2.2.4.1 Penalty for Delay in Commissioning of the systems**

As mentioned under section 2.1.1

##### **2.2.5 Indemnity on infringement of third party Intellectual Property Rights**

(a) The bidder shall hereby confirm that none of the items, being provided by them is infringing on any foreign/ domestic patent or intellectual and industrial property rights as per the applicable laws of relevant jurisdictions having requisite competence.

(b) The bidder shall indemnify Authority against all losses, cost/claims/legal claims/liabilities, suits or proceedings, arising from third party claim in this regard at any time on account of the infringement or unauthorized use of any domestic or foreign patent rights, copyrights or intellectual and industrial property rights of any such parties or other intellectual property, proprietary or confidentiality rights with respect to, whether such claims arise in respect of manufacture or use. If, in any such suit claim or proceedings, or any part, thereof or comprised therein is held to constitute an infringement and its use is permanently enjoined, the bidder shall promptly make every reasonable effort to secure for the Authority, an authorization/ license, at no cost to the Authority, authorizing continued use of the infringing work. If the bidder is unable to secure such authorization/license within a reasonable time, the bidder shall, at its own expense and without impairing the performance standards either replace the affected content, or part, or process thereof with non-infringing work or parts or process, or modify the same so that it becomes non-infringing.

(c) Without prejudice to the aforesaid indemnity, the bidder shall be responsible for the completion of the supplies including uninterrupted use of the items/product or any part thereof to Authority and persons authorized by Authority, irrespective of the fact of claims of infringement of any or all the rights mentioned above.

(d) If it is found that it does infringe on patent rights, the Service Provider shall absolve Authority of any legal action.

## **2.3 SPECIAL CONDITIONS OF THE CONTRACT**

The following clauses shall supplement the Instructions to Bidders.

### **2.3.1 Site Preparation and Site Survey**

As per implementation plan, JSEPC shall arrange the necessary minimum constructed rooms/ space for setting-up Computer Lab for the operation of the ICT@SCHOOLS Project. The space provided cannot be used for any purpose other than for delivering the services as mentioned in this tender document and as contracted under the Agreement. JSEPC shall arrange for necessary clearances, which shall enable the Bidder to undertake electrical wiring, earthing, room lighting (including fan), exhaust fan, fire extinguisher, electric sub-meter, floor preparation using vinyl flooring, furniture, installation of generator sets, installation of UPS equipment, network cable laying etc., as per the agreement at the respective school sites.

### **2.3.2 Acceptance Test**

KELTRON shall conduct the assessment of the sites/labs set-up by the bidders. The acceptance test of upto 10% of the schools allocated to bidder in accordance with the requirements given in scope of work shall be conducted. After successful testing by the Agency an Acceptance Test Certificate shall be issued by KELTRON to the Bidder. The test will include the following:

- i. All hardware and software items must be installed at particular site as per the specifications given in Section-3.12
- ii. Availability of all the defined services shall be verified. The successful bidder shall be required to demonstrate all the features/facilities/functionalities as mentioned in the RFP document.
- iii. Detailed test plan shall be defined by KELTRON.

Any delay by the Bidder in the Acceptance Testing shall render the Bidder liable to the imposition of appropriate Penalties.

In the event the Bidder is not able to complete the installation at School site as per the schedule defined by JSEPC due to non availability of site, the Bidder and JSEPC may mutually agree to redefine the completion dates so that the Bidder can complete installation and conduct the Acceptance Test within the extended timelines.

Note: The bidder has to complete at least 25 Schools in one lot for acceptance test.

### **2.3.3 Representations and warranties**

Representations and Warranties by the bidder:

- a. It is a company/ Organization duly organized and validly existing under the laws of India and has all requisite legal power and authority and corporate authorizations to execute the

Agreement and carry out the terms, conditions and provisions hereof;

- b. It has in full force and effect all requisite clearances, approvals and permits necessary to enter into the Agreement and perform its obligations hereof;
- c. It will have the legally valid and enforceable title to all Equipment as may be necessary for proper functioning and it will be free from all encumbrances, liens, charges, any security interest and adverse claims of any description;
- d. The Agreement and the transactions and obligations hereof do not contravene its constitutional documents or any law, regulation or government directive and will not contravene any provisions of, or constitute a default under, any other Agreement or instrument to which it is a party or by which it or its property may be bound or any of its obligations or undertakings by which it or any of its assets are bound or cause a limitation on its powers or cause it to exceed its authorized powers;
- e. There is no pending or threatened actions, suits or proceedings affecting the Bidder or its affiliates or any of their respective assets before a court, governmental agency, commission or arbitrator or administrative tribunal which affects the Bidder's ability to perform its obligations under the Agreement; and neither Bidder nor any of its affiliates have immunity from the jurisdiction of a court or from legal process (whether through service of notice, attachment prior to judgment, attachment in aid of execution or otherwise);
- f. The Bidder confirms that all representations and warranties of the Bidder set forth in the Agreement are true, complete and correct in all respects;
- g. No information given by the Bidder in relation to the Agreement, project documents or any document comprising security contains any material MIS statement of fact or omits to state as fact which would be materially adverse to the enforcement of the rights and remedies of KELTRON or which would be necessary to make any statement, representation or warranty contained herein or therein true and correct;
- h. All equipment including material to be installed by the Bidder in the ICT@Schools Project shall be new and the product should not be de-supported or declared end of life within next 5 years. A certificate to that effect should be furnished from OEM. All equipment shall conform to the codes, standards and regulations applicable to networking facilities and benefit from the usual manufacturer's guarantees.
- i. The warranties for all the equipment are valid for 5 years from the date of commissioning of the equipment at school sites.

#### **2.3.4 Performance Security for operation**



Within 15 days of the issuance of Letter of Intent (LOI) the Bidder shall transfer an amount equal to 10% of the total Project Value towards Performance guarantee for 5 years. KELTRON may forfeit the Performance Guarantee amount for any failure on part of Bidder to complete its obligations under the Agreement. The Performance Guarantee shall be denominated in Indian Rupees. The Performance Guarantee amount shall be returned to the Bidder within 30 days of the date of successful discharge of all contractual obligations at the end of the period of the Agreement by KELTRON. In the event of any amendments to Agreement, the Bidder shall within 15 days of receipt of such amendment furnish the amendment to the Performance Guarantee as required.

### **2.3.5 Insurance**

The equipment and services supplied under the contract shall be fully insured by the bidder against loss or damage incidental to manufacture or acquisition, transportation, storage, delivery and installation. The period of insurance shall be up to the date the supplies are accepted and the rights of the property are transferred to JSEPC after the project period ends.

### **2.3.6 Miscellaneous**

- i. The successful bidder/contractor shall maintain the hardware, software and connected accessories in proper working condition throughout the contract period.
- ii. The students/teachers shall not be charged any fee by the contractor.
- iii. The normal school hours will be between 08.00 A.M and 2.00 P.M. subject to any variations at district or school level as may be intimated from time to time.
- iv. The Bidder shall impart teacher training in Hindi as the medium of instruction.
- v. The project duration shall be 5 years. Every quarter the KELTRON will review the performance of the bidder.
- vi. Bid with incomplete information OR not in accordance with instructions or without Bid Security & bid processing fees are liable to be rejected.
- vii. Competent Authority will have the right to inspect the schools of the Bidder already in operation for the purpose of verification and assessing the fulfillment of qualification criteria by the bidder.
- viii. The implementation schedule specified in the Contract shall be strictly adhered to.
- ix. KELTRON reserves the right to award the contract to more than one Bidder and fix the number of schools & geographical area to different bidders based on the financial, technical and service capability of the Bidder.
- x. No equipment shall be removed from the school premises by the selected bidder without the concurrence of the School Head Master including for the purposes of replacement, services etc
- xi. The Computer centre must be available for inspection by KELTRON, anytime during the project period.
- xii. Adequate care shall be taken by the selected bidder for the safety and security like Insurance, Watch and Ward etc in respect of the all the materials supplied to school.
- xiii. No. & List of schools may change before the signing of the contract at the discretion of purchaser.
- xiv. The employee of the bidder will not claim any employment with purchaser department during or after the contract period.
- xv. The bidder/contractor has to observe all statutory compliances like Service tax, Minimum wages act etc. of Govt. of Jharkhand and Govt. of India as and when applicable during the contract period.
- xvi. Any disruption in the services and cost arising from the same due to such non-compliance will be sole responsibility of the bidder/contractor.

### 2.3.7 Approval / Clearances

a) Necessary approvals/ clearances from JSEPC for establishing the Computer Lab in schools shall be provided to the Successful Bidder.

Note:

1. All hardware & software shall include 5 Years of Comprehensive On-Site Warranty
2. All the supplied Hardware/ Software should be Interoperable, IPv6 ready and in compliance with the policies/ guidelines issued by DIT, GOI in this regard

## 2.4 Payment Procedure and Terms

### 2.4.1 Paying Authority

(a) The payments as per the Payment Schedule covered hereinabove shall be paid by this office of KELTRON. However, Payment of the Bills would be payable, on receipt of advice/confirmation for satisfactory delivery/installation/re-installation, live running and service report from the concerned Schools sites and/or respective district authority where the purchased equipment's have been delivered. The confirmation will be issued by the authorized person of Schools. Also the bidder has to submit the certificate of insurance covering all the risks during transit, storage, installation, commissioning, testing and handling including third part liabilities.

### 2.4.2 Payment Schedules

Sl.No.	Milestone	Billable fee (as % of Contract Value)
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1	Part I (Payment for Hardware, Software & Connected accessories)	<p>Part I (Payment for Hardware, Software &amp; Connected accessories) :</p> <p>I. 10% of the total value of Hardware part (Hardware, Software and educational software) will be paid to the contractor as mobilization advance against an additional bank guarantee of equivalent amount valid for a period of one year or extendable as required.</p> <p>II. On completion of successful inspection of the supplied hardware &amp; software &amp; installation of hardware and software and connected accessories and receipt of certificate of installation from the concerned School Principals &amp; District Education Officer of respective district, Certification (Benchmarking/Quality) from ERTL(STQC) or as required for the hardware provided 40% of the total value of Hardware part (Hardware, Software and educational software) will be paid to the contractor.</p> <p>III. Remaining 50% will be paid to the contractor in 20 equal installments once every three months subject to satisfactory performance. Bidder need to furnish the quarterly performance reports signed by the concerned School Principals and the District Education Officers with the Quarterly invoices. The payment will also be subject to the quarterly performance review report submitted by KELTRON or a third party appointed by KELTRON, if any.</p> <p>IV. All payments will be subject to tax as applicable at the prevailing tax rates and TDS as per applicable rules will be deducted.</p>
2	Part II Providing Computer Education Services (man-power etc.):	<p>I. No advance payment will be made</p> <p>II. The cost of Providing Manpower Services, managing School infrastructure, coordinating the Project will be paid to the bidder in 20 equal installments once every 3 months. The payment becomes due on the satisfactory completion of service every quarter and shall be paid at the beginning of the succeeding quarter. Bidder need to furnish the quarterly performance reports signed by the concerned School Principals along with the invoice.</p> <p>The first quarter will start on the date of completion of installation of hardware, software &amp; connected accessories for which the receipt of certificate of installation from the concerned school Principals. The payment will also be subject to the quarterly performance review report submitted by KELTRON or a</p>
		third party appointed by KELTRON, if any.

3	Part III Teacher Training	<p>I On completion of the Teacher Training: 100 % of the contract price (after deducting penalty, if any) for teacher training will be released on submission of invoice after completion of training of the total numbers of teachers assigned.</p> <p>II In case the training of the teachers is planned over a period of time, the payments will be released in the proportion of the numbers of teachers trained.</p> <p>III Bidder need to furnish details of Teacher Training clearly mentioning the Type of Training (Induction/Refresher), Name of School, Teacher, Dates of training, duration of training feedback, assesment etc detail along with the Bill/Invoice.</p>
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## BILL OF MATERIALS: (DO NOT FILL)

Sl No	Items	Description (Refer section 3.13.2.1)	Units / School	Price / School	Total No. of Schools	Total Price (In Rs.)
Part I (Hardware, Software & Connected accessories)						
(Non Recurring)						
1	Computer Desktop Server		1			
2	Thin Client (Window based)		10			
3	Antivirus Valid for whole period of year		As per require ment of the archite cture			
4	Multifunction Printer		1			
6	Networking Components		1			
7	Wall Clock		1			
8	Genset		1			
9	Furniture (ISO Certified)		43			
11	Projector		1			
12	UPS for Server/Client & access devices with Required battery backup for 5 years.		1			
13	Voltage Stabilizer		1			
14	Software (Office Suite)		12			

16	Exhaust Fan		1			
17	Fire Extinguisher		1			
18	Electric Sub meter		1			
		Sub Total of Sr. No. from 1-18 (in figure)				
		Sub Total of Sr. No. from 1-18 (in Words)				
19	Teachers Training (Induction)	Ten (10) Teachers per school				
20		Sub Total of Sr. No. from 1-19 (in figure)				
		Sub Total of Sr. No. from 1-19 (in Words)				

Education Services (Manpower, consumable items for 60 Months)

Part II (Manpower and other services- Recurring)					
21	Manpower				
A	One School Coordinator per school (For 60 months)				
B	One District Coordinator per District(For 60 months)				
C	One Project manager per Zone (For 60 months)				
22	Internet Services of Schools				
23	Computer education consumable				

23.a	2000 sheets of A4 size paper (Min 70 GSM) Per Year Per School				
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23.b	3 new cartridges per year per Lab per school for multifunctional printer				
23.c	1 TB External Hard disk with case cover having USB port Per school				
24	Genset consumable For running of the Genset for four Hours per working day per school( For 60 months)				
	Sub Total of Sr. No. 21-23 (in figures)				
	Sub Total of Sr. No. 21-23 (in words)				
25	Teacher Training (Refresher) Average of ten (10) Teachers per school per year for 5 days. during last 48 months of Contract.				
26	Sub Total of Sr. No. 21-24 (in figures)				
	Sub Total of Sr. No. 21-24 (in words)				
Total prices quoted in the row 25 shall be inclusive of all kind of applicable taxes.					
27	Grand Total of Sr. No. 20 & 25 (in figures)				
	Grand Total of Sr. No. 20 & 25 (in words)				
The final cost quoted in the row 27 will be considered for commercial evaluation.					

## ANNEXURE

## List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
1	Kolhan Division	PASHCHIMI SINGHBHUM	CHAKRADHARPUR	20170204105	KGBV CHAKRADHARPUR
2	Kolhan Division	PASHCHIMI SINGHBHUM	GOELKERA	20170500214	KGBV GOELKERA
3	Kolhan Division	PASHCHIMI SINGHBHUM	HATGAMAHARIA	20170604706	HIGH SCHOOL JAMDIH PROJECT (G)
4	Kolhan Division	PASHCHIMI SINGHBHUM	JAGANNATHPUR	20170700902	KGBV JAGANNATHPUR
5	Kolhan Division	PASHCHIMI SINGHBHUM	JHINKPANI	20170800308	KGBV JHINKPANI
6	Kolhan Division	PASHCHIMI SINGHBHUM	KHUNTPANI	20171009903	KGBV KHUNTPANI
7	Kolhan Division	PASHCHIMI SINGHBHUM	KUMARDUNGI	20171205002	HIGH SCHOOL KUMARDUNGI PROJECT (G)
8	Kolhan Division	PASHCHIMI SINGHBHUM	KUMARDUNGI	20171205005	KGBV KUMARDUNGI
9	Kolhan Division	PASHCHIMI SINGHBHUM	MANJHARI	20171400103	KGBV MANJHARI
10	Kolhan Division	PASHCHIMI SINGHBHUM	MANOHARPUR	20171505101	UPG HIGH SCHOOL BARANGA
11	Kolhan Division	PASHCHIMI SINGHBHUM	NOAMUNDI	20171700706	KGBV NOAMUNDI
12	Kolhan Division	PASHCHIMI SINGHBHUM	NOAMUNDI	20171700501	UPG HIGH SCHOOL PROSPECT. KIRIBURU
13	Kolhan Division	PASHCHIMI SINGHBHUM	SADAR CHAIBASA	20171907009	KGBV SADAR CHAIBASA
14	Kolhan Division	PASHCHIMI SINGHBHUM	SADAR CHAIBASA	20171900501	UPG HIGH SCHOOL NARSANDA
15	Kolhan Division	PASHCHIMI SINGHBHUM	SONUA	20172102803	KGBV SONUA
16	Kolhan Division	PASHCHIMI SINGHBHUM	TANTNAGAR	20172205102	KGBV TANTNAGAR
17	Kolhan Division	PASHCHIMI SINGHBHUM	BANDGAON	20170118702	BIRSA BHAGWAN S. S. HIGH SCHOOL, BANDGAON
18	Kolhan Division	PASHCHIMI SINGHBHUM	HATGAMHARIA	20170603504	THAKKAR BAPA HIGH SCHOOL DUMARIA
19	Kolhan Division	PASHCHIMI SINGHBHUM	HATGAMHARIA	20170601303	UPGRADED HIGH SCHOOL BALANDIA
20	Kolhan Division	PASHCHIMI SINGHBHUM	KHUNTPANI	20171007801	UPG HIGH SCHOOL BHOYA
21	Kolhan Division	PASHCHIMI SINGHBHUM	KUMARDUNGI	20171202401	UPG HIGH SCHOOL ULIHATU
22	Kolhan Division	PASHCHIMI SINGHBHUM	MANJHARI	20171400102	RAJKIYAKRIT HIGH SCHOOL, PUTUSIA
23	Kolhan Division	PASHCHIMI SINGHBHUM	SONUA	20172102802	S.S. 10+2 HIGH SCHOOL, SONUA
24	Kolhan Division	PURBI SINGHBHUM	BAHRAGORA	20180704305	HS PROJECT BALIKA BAHRAGORA
25	Kolhan Division	PURBI SINGHBHUM	BAHRAGORA	20180704803	K G B V BAHRAGORA
26	Kolhan Division	PURBI SINGHBHUM	BAHRAGORA	20180717901	UPGRADED GOVT H.S.JHANJHIYA
27	Kolhan Division	PURBI SINGHBHUM	BORAM	20181004601	UPG GOVT HS RASIKNAGAR



28	Kolhan Division	PURBI SINGHBHUM	CHAKULIA	20180823915	K G B V CHAKULIA
29	Kolhan Division	PURBI SINGHBHUM	CHAKULIA	20180817601	UPG GOVT H.S.JODAM
30	Kolhan Division	PURBI SINGHBHUM	CHAKULIA	20180822602	UPG GOVT HS BEND
31	Kolhan Division	PURBI SINGHBHUM	CHAKULIA	20180829701	UPG GOVT HS GOHALDANGA
32	Kolhan Division	PURBI SINGHBHUM	CHAKULIA	20180824601	UPGRADED GOVT H.S.BALIBANDH
33	Kolhan Division	PURBI SINGHBHUM	DHALBHUMGARH	20180503406	K G B V DHALBHUMGARH
34	Kolhan Division	PURBI SINGHBHUM	DUMARIA	20180405609	H.S. PROJECTBALIKA DUMARIA
35	Kolhan Division	PURBI SINGHBHUM	DUMARIA	20180405606	K G B V DUMARIA
36	Kolhan Division	PURBI SINGHBHUM	DUMARIA	20180409704	MODEL SCHOOL DUMARIA
37	Kolhan Division	PURBI SINGHBHUM	GHATSHILA	20180611102	K G B V GHATSHILA
38	Kolhan Division	PURBI SINGHBHUM	JAMSHEDPUR	20180316704	K G B V JAMSHEDPUR
39	Kolhan Division	PURBI SINGHBHUM	JAMSHEDPUR	20180315102	UPGRADED GOVT H.S.KUKRADIH, J2
40	Kolhan Division	PURBI SINGHBHUM	MUSABANI	20180906501	H. S. PROJECT B - MUSABANI
41	Kolhan Division	PURBI SINGHBHUM	MUSABANI	20180905404	K G B V MUSABANI
42	Kolhan Division	PURBI SINGHBHUM	MUSABANI	20180901101	UPGRADED GOVT H.S.BENASOL (OU)
43	Kolhan Division	PURBI SINGHBHUM	PATAMDA	20180110502	K G B V PATAMDA
44	Kolhan Division	PURBI SINGHBHUM	PATAMDA	20180111303	PROJECT HS MACHA KANYA PATAMDA
45	Kolhan Division	PURBI SINGHBHUM	PATAMDA	20180118005	UPG GOVT HS GOBARGHUSI
46	Kolhan Division	PURBI SINGHBHUM	POTKA	20180208307	HS PROJECT BALIKA
47	Kolhan Division	PURBI SINGHBHUM	POTKA	20180208310	K G B V POTKA
48	Kolhan Division	PURBI SINGHBHUM	POTKA	20180212201	UPG GOVT HS HENSRA, P2 (OU)
49	Kolhan Division	PURBI SINGHBHUM	POTKA	20180232501	UPG GOVT HS RAJDOHA, P1
50	Kolhan Division	PURBI SINGHBHUM	POTKA	20180230301	UPG GOVT HS SANGRAM, P2
51	Kolhan Division	PURBI SINGHBHUM	POTKA	20180200302	UPGRADED GOVT H.S. DURKU
52	Kolhan Division	PURBI SINGHBHUM	POTKA	20180205701	UPGRADED GOVT H.S.SHANKARDA, P1
53	Kolhan Division	PURBI SINGHBHUM	POTKA	20180216701	UPGRADED GOVT HS CHHOTA TILAJHOR, P2
54	Kolhan Division	PURBI SINGHBHUM	BAHRAGORA	20180719402	L.B.S.H/S JAYPUR
55	Kolhan Division	PURBI SINGHBHUM	BAHRAGORA	20180735001	UPGRADE HIGH SCHOOL SHASAN ORIYA
56	Kolhan Division	PURBI SINGHBHUM	DHALBHUMGARH	20180503601	UPGRADED HIGH SCHOOL, HALDAJURI
57	Kolhan Division	PURBI SINGHBHUM	JAMSHEDPUR	20180317710	JUGSALAI GIRLS HIGH SCHOOL, JAMSHEDPUR
58	Kolhan Division	PURBI SINGHBHUM	MUSABANI	20180905102	UPGRADE HIGH SCHOOL KOILISUTA , MOSABANI
59	Kolhan Division	PURBI SINGHBHUM	MUSABANI	20180902801	UPGRADE HIGH SCHOOL MATIGORA
60	Kolhan Division	PURBI SINGHBHUM	PATAMDA	20181006302	SORVADAYA HIGH SCHOOL, MADHABPUR
61	Kolhan Division	SARAIKELA-KHARSAWAN	CHANDIL	20200301104	K. G. B. V CHANDIL
62	Kolhan Division	SARAIKELA-KHARSAWAN	CHANDIL	20200301906	SS+2 HIGH SCHOOL CHANDIL
63	Kolhan Division	SARAIKELA-KHARSAWAN	CHANDIL	20200308701	UPG HS KALYANPUR

ANNEXURE

List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
64	Kolhan Division	SARAIKELA-KHARSAWAN	GAMHARIA	20200405503	K.G.B.V. GAMHARIA
65	Kolhan Division	SARAIKELA-KHARSAWAN	KHARSAWAN	20200914403	K.G.B.V. KHARSAWAN
66	Kolhan Division	SARAIKELA-KHARSAWAN	KUCHAI	20201100905	K.G.B.V. KUCHAI
67	Kolhan Division	SARAIKELA-KHARSAWAN	NIMDIH	20201604706	K.G.B.V. NIMDIH
68	Kolhan Division	SARAIKELA-KHARSAWAN	NIMDIH	20201604707	MODEL SCHOOL NIMDIH
69	Kolhan Division	SARAIKELA-KHARSAWAN	RAJNAGAR	20201802005	K.G.B.V. RAJNAGAR
70	Kolhan Division	SARAIKELA-KHARSAWAN	SERAIKELLA	20202010603	KASTURBA GANDHI A.S SERAIKELLA
71	Kolhan Division	SARAIKELA-KHARSAWAN	SERAIKELLA	20202007601	UPG HS HUDU
72	Kolhan Division	SARAIKELA-KHARSAWAN	SERAIKELLA	20202008001	UPG HS KENDUA
73	Kolhan Division	SARAIKELA-KHARSAWAN	SERAIKELLA	20202010601	UPG HS RAJKIYE GIRLS SERAIKELLA
74	Kolhan Division	SARAIKELA-KHARSAWAN	KHARSAWAN	20200914401	+2 GOVT. HIGH SCHOOL, KHARSAWAN
75	Kolhan Division	SARAIKELA-KHARSAWAN	KUCHAI	20201100702	HIGH SCHOOL, GALUDIH
76	Kolhan Division	SARAIKELA-KHARSAWAN	NIMDIH	20201604705	HIGH SCHOOL, RAGHUNATHPUR
77	Kolhan Division	SARAIKELA-KHARSAWAN	RAJNAGAR	20201808404	KARTIK ORAN PROJECT GIRLS HIGH SCHOOL ROLA
78	Kolhan Division	SARAIKELA-KHARSAWAN	SARAIKELA	20202008101	U.H.S.BHADRUDDIH
78					
79	North Chotanagpur Div	BOKARO	CHANDANKIYARI	20130101612	KGBV CHANDANKIYARI
80	North Chotanagpur Div	BOKARO	CHANDANKIYARI	20130111201	UPG RAJKIYAKRIT HIGH SCHOOL KORIYA
81	North Chotanagpur Div	BOKARO	CHANDRAPURA	20131300618	KGBV BERMO
82	North Chotanagpur Div	BOKARO	CHAS	20130329202	KGBV CHAS
83	North Chotanagpur Div	BOKARO	GOMIYA	20131000404	KGBV GOMIA
84	North Chotanagpur Div	BOKARO	JARIDIH	20130701207	KGBV JARIDIH
85	North Chotanagpur Div	BOKARO	JARIDIH	20130702202	UPG RAJKIYAKRIT HIGH SCHOOL BAHADURPUR
86	North Chotanagpur Div	BOKARO	KASMAR	20131202003	KGBV KASMAR
87	North Chotanagpur Div	BOKARO	KASMAR	20131201101	UPG RAJKIYAKRIT HIGH SCHOOL MADHUKARPUR

88	North Chotanagpur Div	BOKARO	NAWADIIH	20130605307	KGBV NAWADIIH
89	North Chotanagpur Div	BOKARO	NAWADIIH	20130600402	PROJECT GIRLS HIGH SCHOOL NAWADIIH
90	North Chotanagpur Div	BOKARO	NAWADIIH	20130604802	UPG RAJKIYAKRITI HIGH SCHOOL SURHI
91	North Chotanagpur Div	BOKARO	PETARWAR	20131103214	KGBV PETARWAR
92	North Chotanagpur Div	BOKARO	PETARWAR	20131102705	PROJECT GIRLS HIGH SCHOOL PETARWAR
93	North Chotanagpur Div	BOKARO	CANDANKIYARI	20130105702	UPGRADED HIGH SCHOOL AMLABAD
94	North Chotanagpur Div	BOKARO	CHANDRAPURA	20131302807	NEHRU HIGH SCHOOL TELO
95	North Chotanagpur Div	BOKARO	CHAS	20130314103	JANTA HIGH SCHOOL, PUNDRU
96	North Chotanagpur Div	BOKARO	CHAS	20130303403	SARVODAY HIGH SCHOOL PINDRAJORA
97	North Chotanagpur Div	BOKARO	CHAS	20130312211	SHRI MAHABIR JEE HIGH SCHOOL, BIJULIA
98	North Chotanagpur Div	BOKARO	NAWADIIH	20130609904	UPGRADE HIGH SCHOOL, BIRNI
99	North Chotanagpur Div	BOKARO	PETARWAR	20131102903	ADIVASI HIGH SCHOOL, CHHAPARGARHA
100	North Chotanagpur Div	CHATRA	CHATRA	20030230907	KGBV CHATRA
101	North Chotanagpur Div	CHATRA	GIDHOUR	20030801006	KGBV GIDHOR
102	North Chotanagpur Div	CHATRA	GIDHOUR	20030800305	UPG.H.S.BARISAKHI
103	North Chotanagpur Div	CHATRA	HUNTERGANJ	20030315007	KGAV.HUNTERGANJ
104	North Chotanagpur Div	CHATRA	ITKHORI	20030104508	KGBV ITKHORI
105	North Chotanagpur Div	CHATRA	ITKHORI	20030104505	PROJECT GIRL H.S.ITKHORI
106	North Chotanagpur Div	CHATRA	KUNDA	20030900606	KGBV KUNDA
107	North Chotanagpur Div	CHATRA	LAWALONG	20031005505	KGBV LAWALONG
108	North Chotanagpur Div	CHATRA	PATHALGADA	20030701205	KGBV PATTHALGADA
109	North Chotanagpur Div	CHATRA	PRATAPPUR	20030427602	KGBV PRATAPPUR
110	North Chotanagpur Div	CHATRA	SIMARIA	20030515104	KGAV.SIMARIA
111	North Chotanagpur Div	CHATRA	TANDWA	20030608601	UPG.H.S.BENTI
112	North Chotanagpur Div	CHATRA	KANHACHATTI	20031201701	B. K. HIGH SCHOOL, KANHACHATTI
113	North Chotanagpur Div	CHATRA	KANHACHATTI	20031201702	RAM NAGAR HIGH SCHOOL, KANHACHATTI
114	North Chotanagpur Div	DHANBAD	BALIAPUR	20120502904	KASTURBA GANDHI AVASIYA VIDYAL
115	North Chotanagpur Div	DHANBAD	BALIAPUR	20120503109	PROJECT GIRLS HIGH SCHOOL BALIAPUR
116	North Chotanagpur Div	DHANBAD	BALIAPUR	20120509602	UPG HS RANGAMATI, SINDRI
117	North Chotanagpur Div	DHANBAD	DHANBAD	20120313705	GOVT. SANSKRIT HIGH SCHOOL DHANBAD
118	North Chotanagpur Div	DHANBAD	DHANBAD	20120309401	UPG HS LOWADIIH
119	North Chotanagpur Div	DHANBAD	GOVINDPUR	20120800603	KGBV GOVINDPUR
120	North Chotanagpur Div	DHANBAD	GOVINDPUR	20120801811	PROJECT GIRLS HIGH SCHOOL
121	North Chotanagpur Div	DHANBAD	GOVINDPUR	20120806701	UPG HS GOSAINDIH
122	North Chotanagpur Div	DHANBAD	NIRSA	20120718002	K G B V NIRSA
123	North Chotanagpur Div	DHANBAD	NIRSA	20120700401	UPG HS BENGARIA VIA MUGMA
124	North Chotanagpur Div	DHANBAD	PURVI TUNDI	20120900701	UPG HS FATEHPUR
125	North Chotanagpur Div	DHANBAD	TOPCHANCHI	20120102005	K G B V TOPCHANCHI

ANNEXURE

List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
126	North Chotanagpur Div	DHANBAD	TOPCHANCHI	20120104801	UPG HS BELMI
127	North Chotanagpur Div	DHANBAD	TOPCHANCHI	20120113901	UPG HS KHARIO
128	North Chotanagpur Div	DHANBAD	TOPCHANCHI	20120101702	UPG HS SHAKTIPUR
129	North Chotanagpur Div	DHANBAD	TOPCHANCHI	20120115802	UPG HS SINGHDAHA
130	North Chotanagpur Div	DHANBAD	TUNDI	20120400106	K G B V TUNDI
131	North Chotanagpur Div	DHANBAD	TUNDI	20120429301	PROJECT GIRLS HS TUNDI
132	North Chotanagpur Div	DHANBAD	TUNDI	20120427802	UPG H.S. OJHADIIH KATNIYA
133	North Chotanagpur Div	DHANBAD	TUNDI	20120401501	UPG HS BASTIKULHI
134	North Chotanagpur Div	DHANBAD	BAGHMARA	20120613004	G.N.M.+2 HIGH SCHOOL KATRASGARH
135	North Chotanagpur Div	DHANBAD	DHANBAD	20120306416	B.G.S. HIGH SCHOOL
136	North Chotanagpur Div	DHANBAD	GOVINDPUR	20120825801	GANDHI SMARAK ADIVASI HIGH SCHOOL YADAVPUR
137	North Chotanagpur Div	DHANBAD	GOVINDPUR	20120800403	MAHENDRA HIGH SCHOOL BARAPURB
138	North Chotanagpur Div	DHANBAD	JHARIA	20120211704	D.A.V. HIGH SCHOOL PATHERDIH
139	North Chotanagpur Div	DHANBAD	JHARIA	20120210510	HIGH SCHOOL BHOWRA
140	North Chotanagpur Div	DHANBAD	TOPCHACHI	20120102803	NEW UPGRED HIGH SCHOOL , KOTALADDA
141	North Chotanagpur Div	GIRIDIH	BAGODAR	20061401910	KGBV BAGODAR
142	North Chotanagpur Div	GIRIDIH	BENGABAD	20060103705	KGBV BENGABAD
143	North Chotanagpur Div	GIRIDIH	BENGABAD	20060103709	PROJECT GIRLS HIGH SCHOOL, BENGABAD
144	North Chotanagpur Div	GIRIDIH	BENGABAD	20060109101	UPG GOVT HS CHAPUADIH
145	North Chotanagpur Div	GIRIDIH	BENGABAD	20060105701	UPG GOVT HS MOTILEDI
146	North Chotanagpur Div	GIRIDIH	BIRANI	20060314003	KGBV BIRNI
147	North Chotanagpur Div	GIRIDIH	DHANWAR	20060707202	KGBV DHANWAR
148	North Chotanagpur Div	GIRIDIH	DUMRI	20060427001	KGBV DUMRI
149	North Chotanagpur Div	GIRIDIH	DUMRI	20060401602	UPG GOVT HS GALAGI

150	North Chotanagpur Div	GIRIDIH	DUMRI	20060400403	UPG GOVT HS NAGRI
151	North Chotanagpur Div	GIRIDIH	GANDEY	20061308402	KGBV GANDEY
152	North Chotanagpur Div	GIRIDIH	GIRIDIH	20060904702	KGBV GIRIDIH
153	North Chotanagpur Div	GIRIDIH	GIRIDIH	20060905001	UPG GOVT HS GADI SRIRAMPUR
154	North Chotanagpur Div	GIRIDIH	GIRIDIH	20060900101	UPG GOVT HS MANGARODIH
155	North Chotanagpur Div	GIRIDIH	JAMUA	20060535301	UPG GOVT HS BAHORIYADIH
156	North Chotanagpur Div	GIRIDIH	JAMUA	20060533501	UPG GOVT HS SAHARPURA
157	North Chotanagpur Div	GIRIDIH	PIRTAND	20061014202	KGBV PIRTAND
158	North Chotanagpur Div	GIRIDIH	PIRTAND	20061008201	UPG GOVT HS BADGAWAN
159	North Chotanagpur Div	GIRIDIH	TISRI	20061118001	KGBV TISRI
160	North Chotanagpur Div	GIRIDIH	TISRI	20061103901	UPG GOVT HS GUMGEE
161	North Chotanagpur Div	GIRIDIH	BENGABAD	20060101402	PROJECT HIGH SCHOOL NAWAHAR
162	North Chotanagpur Div	GIRIDIH	DEORI	20060202601	NEW UPGRADE HIGH SCHOOL, CHITROKURHA
163	North Chotanagpur Div	GIRIDIH	DHANWAR	20060705901	UP GRADED HIGH SCHOOL, ARKhangO
164	North Chotanagpur Div	GIRIDIH	GAWAN	20061204901	UPGRADED HIGH SCHOOL, PASNAUR
165	North Chotanagpur Div	GIRIDIH	GIRIDIH	20060916703	T.R.P. HIGH SCHOOL, LEDA
166	North Chotanagpur Div	GIRIDIH	JAMUA	20060535601	NAV UTKRAMIT UCHCH VIDYALAYA, CHITARDIH
167	North Chotanagpur Div	GIRIDIH	JAMUA	20060511202	S.J.N. HIGH SCHOOL TARA
168	North Chotanagpur Div	GIRIDIH	PIRTAND	20061000102	PROJECT GIRLS HIGH SCHOOL, PIRTAND
169	North Chotanagpur Div	GIRIDIH	PIRTAND	20061004401	UTKRAMIT UCHYA VIDALAYA, BISUNPUR
170	North Chotanagpur Div	GIRIDIH	TISRI	20061116001	AGRAWALA HIGH SCHOOL TISRI
171	North Chotanagpur Div	GIRIDIH	TISRI	20061112701	HIGH SCHOOL TISRI BARAHMASIA
172	North Chotanagpur Div	HAZARIBAG	BARHI	20040107107	K.G.B.V. BARHI
173	North Chotanagpur Div	HAZARIBAG	BARHI	20040117701	PARIYOJNA GIRLS H.S.,BARHI
174	North Chotanagpur Div	HAZARIBAG	BARKAGAON	20040301108	K.G.B.V. BARKAGAON
175	North Chotanagpur Div	HAZARIBAG	BARKAGAON	20040302401	UPG HIGH SCHOOL ANGO
176	North Chotanagpur Div	HAZARIBAG	BARKAGAON	20040304301	UPG HIGH SCHOOL GOSAIN BALIYA
177	North Chotanagpur Div	HAZARIBAG	BARKATHA	20040211404	K.G.B.V. BARKATHA
178	North Chotanagpur Div	HAZARIBAG	BISHNUGARH	20040408708	K.G.B.V., BISHNUGARH
179	North Chotanagpur Div	HAZARIBAG	CHOUPARAN	20040506406	K.G.B.V. CHOUPARAN
180	North Chotanagpur Div	HAZARIBAG	CHOUPARAN	20040506411	MODEL SCHOOL CHAUPARAN
181	North Chotanagpur Div	HAZARIBAG	CHOUPARAN	20040506409	PROJECT GIRLS HIGH SCHOOL CHOUPARAN
182	North Chotanagpur Div	HAZARIBAG	CHOUPARAN	20040529501	UPG HIGH SCHOOL BRINDA
183	North Chotanagpur Div	HAZARIBAG	CHOUPARAN	20040518901	UPG HIGH SCHOOL TOIYA
184	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040812211	INDIRA GANDHI B. VID., HAZARIBAGH
185	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040810801	UPG HIGH SCHOOL BABHANAWAI
186	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040812001	UPG HIGH SCHOOL SARAUNI
187	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040801701	UPG HIGH SCHOOL SINDUR
188	North Chotanagpur Div	HAZARIBAG	ICHAK	20040913205	K.G.B.V., ICHAK

ANNEXURE

List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
189	North Chotanagpur Div	HAZARIBAG	ICHAK	20040902906	PROJECT GIRLS HIGH SCHOOL ICHAK
190	North Chotanagpur Div	HAZARIBAG	KATKAMDAG	20042100401	UPG HIGH SCHOOL KATKAMDAG
191	North Chotanagpur Div	HAZARIBAG	KATKAMSANDI	20041003606	K.G.B.V. KATKAMSANDI
192	North Chotanagpur Div	HAZARIBAG	KATKAMSANDI	20041003608	PROJECT GIRLS H.S., KAT.SANDI
193	North Chotanagpur Div	HAZARIBAG	KEREDARI	20041102405	K.G.B.V. KEREDARI
194	North Chotanagpur Div	HAZARIBAG	KEREDARI	20041100901	UPG HIGH SCHOOL BASRIYA
195	North Chotanagpur Div	HAZARIBAG	PADMA	20041902804	K.G.B.V. PADMA
196	North Chotanagpur Div	HAZARIBAG	DARU	20042002402	MAHESHARA HIGH SCHOOL MAHESHARA
197	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040812408	+2 ZILA SCHOOL, HAZARIBAGH
198	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040812405	GOVT. GIRLS +2 SCHOOL HAZARIBAG
199	North Chotanagpur Div	HAZARIBAG	HAZARIBAGH	20040812210	S.K.A.B.VIDYALAYA HAZARIBAG
200	North Chotanagpur Div	HAZARIBAG	ICHAK	20040906002	R.M. PROJECT HIGH SCHOOL CHANDA
201	North Chotanagpur Div	HAZARIBAG	ICHAK	20040911101	UP GRADE HIGH SCHOOL DEOKULI
202	North Chotanagpur Div	HAZARIBAG	TATIJHARIA	20042405102	UPGRADED HIGH SCHOOL JHARPO
203	North Chotanagpur Div	KODARMA	JAINAGAR	20050311702	GOVT KGBV JAINAGAR
204	North Chotanagpur Div	KODARMA	KODERMA	20050118907	GOVT KGBV KODERMA
205	North Chotanagpur Div	KODARMA	KODERMA	20050109201	UPG GOVT HS DUMARDIHA
206	North Chotanagpur Div	KODARMA	MARKACHO	20050207112	GOVT KGBV MARKACHO
207	North Chotanagpur Div	KODARMA	SATGAWAN	20050403602	GOVT KGBV SATGAWAN
208	North Chotanagpur Div	KODARMA	MARKACHHO	20050207114	SARVODAYA HIGH SCHOOL, MARKACHO
209	North Chotanagpur Div	KODARMA	SATGAWAN	20050400303	PROJECT HIGH SCHOOL, MIRGANJ
210	North Chotanagpur Div	RAMGARH	CHITARPUR	20241500404	UPG URDU GIRL'S HIGH SCHOOL CHITARPUR
211	North Chotanagpur Div	RAMGARH	GOLA	20240700704	K.G.B.V GOLA

212	North Chotanagpur Div	RAMGARH	GOLA	20240707102	UPG H.S BETUL KALAN HINDI
213	North Chotanagpur Div	RAMGARH	MANDU	20241202513	K.G.B.V. MANDU
214	North Chotanagpur Div	RAMGARH	MANDU	20241202516	PROJECT GIRLS HIGH SCHOOL MANDU
215	North Chotanagpur Div	RAMGARH	MANDU	20241209703	S.S. H.S. MANDU
216	North Chotanagpur Div	RAMGARH	MANDU	20241204701	UPG HIGH SCHOOL KANJIAGI
217	North Chotanagpur Div	RAMGARH	MANDU	20241201101	UPG HIGH SCHOOL UDLOO
218	North Chotanagpur Div	RAMGARH	PATRATU	20241307304	K.G.B.V. BARKAKANA(PATRATU)
219	North Chotanagpur Div	RAMGARH	PATRATU	20241301801	UPG HIGH SCHOOL DADIDIH
220	North Chotanagpur Div	RAMGARH	PATRATU	20241306901	UPG HIGH SCHOOL SIUR
221	North Chotanagpur Div	RAMGARH	RAMGARH	20241400104	K.G.B.V. RAMGARG KAITHA
222	North Chotanagpur Div	RAMGARH	RAMGARH	20241403001	UPG HIGH SCHOOL BARKI KUNDARU
223	North Chotanagpur Div	RAMGARH	RAMGARH	20241401201	UPG HIGH SCHOOL DOHAKATU
224	North Chotanagpur Div	RAMGARH	MANDU	20241205601	UPG HIGH SCHOOL DIGWAR
225	North Chotanagpur Div	RAMGARH	PATRATU	20241307405	BHURKUNDA HIGH SCHOOL BHURKUNDA
226	North Chotanagpur Div	RAMGARH	PATRATU	20241305401	UPG HIGH SCHOOL PALI

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227	Palamau Division	GARHWA	BHANDARIA	20010301608	KGBV BHANDRIYA
228	Palamau Division	GARHWA	BHAWANATHPUR	20010604007	KGBV BHAWANATHPUR
229	Palamau Division	GARHWA	BHAWANATHPUR	20010602407	PROJECT HS BHAWANATHPUR
230	Palamau Division	GARHWA	CHINIA	20011301802	KGBV CHINIA
231	Palamau Division	GARHWA	DANDEY	20011201804	KGBV DANDAI
232	Palamau Division	GARHWA	GARHWA	20010407803	KGBV GARHWA
233	Palamau Division	GARHWA	KANDI	20011003509	KGBV KANDI
234	Palamau Division	GARHWA	MANJHIAON	20010201402	GOVT UPG HS MORBE
235	Palamau Division	GARHWA	MANJHIAON	20010201212	KGBV MANJHIAON
236	Palamau Division	GARHWA	MANJHIAON	20010214001	PROJECT RADHA KRISNA GIRLS HS,MAJHIAON
237	Palamau Division	GARHWA	MERAL	20010503307	KGBV MERAL
238	Palamau Division	GARHWA	RAMKANDA	20010101105	KGBV RAMKANDA
239	Palamau Division	GARHWA	RANKA	20011410804	KGBV RANKA
240	Palamau Division	GARHWA	MERAL	20010505201	UPGRADE HIGH SCHOOL PESHKA
241	Palamau Division	LATEHAR	BALUMATH	20220715107	KGBV BALUMATH
242	Palamau Division	LATEHAR	BARIYATU	20220904401	UPG GOVT HS PHULSU
243	Palamau Division	LATEHAR	BARIYATU	20220906301	UPG GOVT HS TONTIHESLA
244	Palamau Division	LATEHAR	BARWADIH	20220502510	PROJECT GIRLS HS BARWADIH
245	Palamau Division	LATEHAR	CHANDWA	20220203912	KGBV CHANDWA
246	Palamau Division	LATEHAR	LATEHAR	20220116528	KGBV LATEHAR
247	Palamau Division	LATEHAR	LATEHAR	20220113201	UPG GOVT HS KHAIRATOLI
248	Palamau Division	LATEHAR	LATEHAR	20220104501	UPG GOVT HS NAWAGARH
249	Palamau Division	LATEHAR	LATEHAR	20220100401	UPG GOVT HS POCHRA
250	Palamau Division	LATEHAR	MANIKA	20220301010	KGBV MANIKA

ANNEXURE

List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
251	Palamau Division	LATEHAR	LATEHAR	20220116521	R. K. +2 HIGH SCHOOL ,LATEHAR
252	Palamau Division	PALAMU	BISHRAMPUR	20020908801	UPG RAJKIYEKRIT HIGH SCHOOL KETAT
253	Palamau Division	PALAMU	CHAINPUR	20021006903	KGBV CHAINPUR
254	Palamau Division	PALAMU	CHAINPUR	20021002101	UPG RAJKIYEKRIT HIGH SCHOOL RAMGARH
255	Palamau Division	PALAMU	CHHATARPUR	20020602107	KGBV CHHATARPUR
256	Palamau Division	PALAMU	CHHATARPUR	20020616001	UPG RAJKIYEKRIT HIGH SCHOOL TELARI
257	Palamau Division	PALAMU	DALTONGANJ	20020102720	KGBV MEDININAGAR
258	Palamau Division	PALAMU	DALTONGANJ	20020106012	RAJKIYE SANSKRIT HIGH SCHOOL MEDININAGAR
259	Palamau Division	PALAMU	HARIHARGANJ	20020200109	KGBV HARIHARGANJ
260	Palamau Division	PALAMU	HUSAINABAD	20020423709	KGBV HUSSAINABAD
261	Palamau Division	PALAMU	LESLIGANJ	20021100113	KGBV LESLIGANJ
262	Palamau Division	PALAMU	LESLIGANJ	20021100114	PROJECT RAMDHANI SAHU GITRHS HIGH SCHOOL LESLIGANJ
263	Palamau Division	PALAMU	NAWDIHA BAZAR	20020717502	UPG RAJKIYEKRIT HIGH SCHOOL NAWDIHA BAZAR
264	Palamau Division	PALAMU	PANDU	20020500111	KGBV PANDU
265	Palamau Division	PALAMU	PANDWA	20022002104	KGBV PATAN
266	Palamau Division	PALAMU	PANKI	20020307803	KGBV PANKI
267	Palamau Division	PALAMU	PANKI	20020300104	PROJECT HARIVANSH NARAYAN HIGH SCHOOL PANKI
268	Palamau Division	PALAMU	PATAN	20021205503	UPG RAJKIYEKRIT HIGH SCHOOL SIKKIKALA
269	Palamau Division	PALAMU	SATBARWA	20021301217	KGBV SATBARWA
270	Palamau Division	PALAMU	BISHRAMPUR	20020909403	RAJKIYEKRIT HIGH SCHOOL LALGARH
271	Palamau Division	PALAMU	HUSSAINABAD	20020404105	RAJKIYEKRIT HARVE SONBELHI UNCHANGAL SCHOOL

CEMENT WORK JAPLA					
272	Palamau Division	PALAMU	MANATU	20020800301	PROJECT KARTIK ORAON HIGH SCHOOL, MANATU
273	Palamau Division	PALAMU	PANDWA	20022001604	RAJKIYEKRIT SURAT HIGH SCHOOL LOHRA
274	Palamau Division	PALAMU	SATBARWA	20021301216	RAJKIYEKRIT SARVODAY +2 HIGH SCHOOL SATBARWA
48 Schools					
275	Santhal Pargana Division	DEOGHAR	DEOGHAR	20070300202	KGBV DEOGHAR
276	Santhal Pargana Division	DEOGHAR	DEOGHAR	20070322101	UPG. H.S GHORLASH
277	Santhal Pargana Division	DEOGHAR	DEVIPUR	20070918501	KGBV DEVIPUR
278	Santhal Pargana Division	DEOGHAR	DEVIPUR	20070902602	UPG. H.S MACHNATILHA
279	Santhal Pargana Division	DEOGHAR	KAROWN	20070813502	KGBV KARON
280	Santhal Pargana Division	DEOGHAR	MADHUPUR	20070710202	KGBV MADHUPUR
281	Santhal Pargana Division	DEOGHAR	MADHUPUR	20070710301	UPG. H.S JAGDISHPUR
282	Santhal Pargana Division	DEOGHAR	MADHUPUR	20070705401	UPG. H.S. DHAMNI
283	Santhal Pargana Division	DEOGHAR	MADHUPUR	20070703701	UPG. H.S. NARAYANPUR (URDU)
284	Santhal Pargana Division	DEOGHAR	MARGOMUNDA	20071100401	UPG. H.S CHETNARI (URDU)
285	Santhal Pargana Division	DEOGHAR	MOHANPUR	20070102202	KGBV MOHANPUR
286	Santhal Pargana Division	DEOGHAR	MOHANPUR	20070128801	UPG. H.S MAHESHMARA
287	Santhal Pargana Division	DEOGHAR	PALOJORI	20070608503	KGBV PALOJORI
288	Santhal Pargana Division	DEOGHAR	PALOJORI	20070608504	PROJECT GIRLS H.S PALOJORI
289	Santhal Pargana Division	DEOGHAR	SARATH	20070500906	KGBV SARATH
290	Santhal Pargana Division	DEOGHAR	SARWAN	20070223101	KGBV SARWAN
291	Santhal Pargana Division	DEOGHAR	DEOGHAR	20070321802	S.B.ROY HIGH SCHOOL, SIMRA
292	Santhal Pargana Division	DEOGHAR	DEVI PUR	20070903901	UPGRADED HIGH SCHOOL, BALNADIH
293	Santhal Pargana Division	DEOGHAR	KAROWN	20070809101	UPGRADED HIGH SCHOOL, BASKUPI
294	Santhal Pargana Division	DEOGHAR	PALOJORI	20070608505	SMT. ANARKALI +2 HIGH SCHOOL, PALOJORI
295	Santhal Pargana Division	DEOGHAR	SARATH	20070501301	UPGRADED HIGH SCHOOL, PATHARDA
296	Santhal Pargana Division	DUMKA	DUMKA	20110109603	KGBV DUMKA
297	Santhal Pargana Division	DUMKA	DUMKA	20110106501	UPGRADE GOVT H.S.CHAPAKANDAR
298	Santhal Pargana Division	DUMKA	GOPIKANDAR	20110805003	KGBV GOPIKANDAR
299	Santhal Pargana Division	DUMKA	JAMA	20110401702	KGBV JAMA
300	Santhal Pargana Division	DUMKA	JARMUNDI	20110523104	KGBV JARMUNDI
301	Santhal Pargana Division	DUMKA	KATHIKUND	20110910901	KGBV KATHIKUND
302	Santhal Pargana Division	DUMKA	MASALIA	20110315901	KGBV MASALIA
303	Santhal Pargana Division	DUMKA	MASALIA	20110312401	UPGRADE GOVT H.S. GOASOL
304	Santhal Pargana Division	DUMKA	MASALIA	20110325901	UPGRADE GOVT. H.S. PINDARI
305	Santhal Pargana Division	DUMKA	RAMGARH	20110728707	KGBV RAMGARH
306	Santhal Pargana Division	DUMKA	RANISHWAR	20110217507	KGBV RANESHWAR
307	Santhal Pargana Division	DUMKA	RANISHWAR	20110208001	UPG H.S.DUMRA (URDU)
308	Santhal Pargana Division	DUMKA	RANISHWAR	20110217901	UPG RA.H.S.RANABANDH
309	Santhal Pargana Division	DUMKA	SARAIYAHAT	20110632006	KGBV SARAIYAHAT
310	Santhal Pargana Division	DUMKA	SHIKARIPARA	20111024106	KGBV SHIKARIPARA
311	Santhal Pargana Division	DUMKA	SHIKARIPARA	20111005402	UPGRADE GOVT H.S.DHAKA
312	Santhal Pargana Division	DUMKA	JARMUNDI	20110548902	PROJECT GIRLS HIGH SCHOOL, NONIHAT



403	South Chotanagpur Division	LOHARDAGA	KAIRO	20150601405	PROJECT HIGH SCHOOL, HANHAT
404	South Chotanagpur Division	LOHARDAGA	LOHARDAGA	20150105804	KASTURBA BALIKA VIDYALAYA LOHARDAGA
405	South Chotanagpur Division	LOHARDAGA	LOHARDAGA	20150106205	RAJKIYAKRIT CHUNNILAL HIGH SCHOOL, LOHARDAGA
406	South Chotanagpur Division	RANCHI	ANGARA	20141000307	KGBV ANGARA
407	South Chotanagpur Division	RANCHI	BERO	20140700310	KGBV BERO
408	South Chotanagpur Division	RANCHI	BUNDU	20141808205	KGBV BUNDU
409	South Chotanagpur Division	RANCHI	BURMU	20140608604	KGBV BURMU
410	South Chotanagpur Division	RANCHI	CHANHO	20140304401	GOVT UPG HIGH SCHOOL MASMANO
411	South Chotanagpur Division	RANCHI	CHANHO	20140302002	KGBV CHANHO
412	South Chotanagpur Division	RANCHI	KANKE	20140115517	GOVT HIGH SCHOOL BAZRA HEHAL RANCHI
413	South Chotanagpur Division	RANCHI	KANKE	20140113914	GOVT SANSKRIT HIGH SCHOOL
414	South Chotanagpur Division	RANCHI	KANKE	20140110401	GOVT UPG HIGH SCHOOL PITHORIYA
415	South Chotanagpur Division	RANCHI	KANKE	20140100104	KGBV KANKE
416	South Chotanagpur Division	RANCHI	LAPUNG	20140504505	KGBV LAPUNG
417	South Chotanagpur Division	RANCHI	LAPUNG	20140504302	RAJYA SAMPOSHIT HIGH SCHOOL KAKARIA
418	South Chotanagpur Division	RANCHI	MANDAR	20140406305	KGBV MANDAR
419	South Chotanagpur Division	RANCHI	NAMKUM	20140802401	GOVT UPG HIGH SCHOOL DUNDIGARHA
420	South Chotanagpur Division	RANCHI	NAMKUM	20140806605	KGBV NAMKUM
421	South Chotanagpur Division	RANCHI	ORMANJHI	20140901207	KGBV ORMANJHI
422	South Chotanagpur Division	RANCHI	SILLI	20141110308	KGBV SILLI
423	South Chotanagpur Division	RANCHI	SONAHATU	20141902304	KGBV SONAHATU
424	South Chotanagpur Division	RANCHI	TAMAR	20142011513	KGBV TAMAR
425	South Chotanagpur Division	RANCHI	ANGARA	20141004506	PROJECT HIGH SCHOOL JONHA
426	South Chotanagpur Division	RANCHI	BUNDU	20141800501	GOVT.UPGRADED HIGH SCHOOL BURHADIIH
427	South Chotanagpur Division	RANCHI	BUNDU	20141803503	RAJKIYAKRIT RSM +2 HIGH SCHOOL BUNDU,RANCHI
428	South Chotanagpur Division	RANCHI	BURMU	20140603010	PROJECT GIRLS HIGH SCHOOL, THAKURGAON
429	South Chotanagpur Division	RANCHI	CHANHO	20140305202	RAJKIYAKRIT KISAN HIGH SCHOOL, PATRATU
430	South Chotanagpur Division	RANCHI	KANKE	20140120009	RAJKIYA A.S.T.V.S. +2 ZILA VIDYALAYA RANCHI
431	South Chotanagpur Division	RANCHI	KANKE	20140101403	RAJKIYAKRIT HIGH SCHOOL BOREYA
432	South Chotanagpur Division	RANCHI	KANKE	20140121504	RAJKIYAKRIT T.V.S. HIGH SCHOOL, JAGANNATHPUR, RANCHI
433	South Chotanagpur Division	RANCHI	MANDAR	20140406802	PROJECT GIRLS HIGH SCHOOL,TANERBASULI
434	South Chotanagpur Division	RANCHI	MANDAR	20140406303	RAJKIYAKRIT +2 HIGH SCHOOL SOSAI MANDAR, RANCHI
435	South Chotanagpur Division	RANCHI	NAMKUM	20140800803	PROJECT HIGH SCHOOL BARGAWAN
436	South Chotanagpur Division	RANCHI	NAMKUM	20140122211	RAJKIYAKRIT S.S.V.V HIGH SCHOOL RANCHI
437	South Chotanagpur Division	RANCHI	ORMANJHI	20140907401	GOVT. UPGRADED HIGH SCHOOL , PISKA

ANNEXURE

List of Schools Approved under ICT@School for 2017-18

S.No	Division	District	Block	School Code	School Name
438	South Chotanagpur Division	RANCHI	ORMANJHI	20140907803	PROJECT HIGH SCHOOL SADMA
439	South Chotanagpur Division	RANCHI	RAHE	20142500208	RAJKIYAKRIT HIGH SCHOOL RAHE.
440	South Chotanagpur Division	RANCHI	RATU	20140207808	RAJKIYAKRIT CHOTANAGPUR RAJ +2 HIGH SCHOOL RATU
441	South Chotanagpur Division	RANCHI	TAMAR	20142009601	GOVT. UPGRADED HIGH SCHOOL PARASI ,TAMAR, RANCHI
442	South Chotanagpur Division	RANCHI	TAMAR	20142011510	RAJKIYAKRIT +2 HIGH SCHOOL TAMAR
443	South Chotanagpur Division	SIMDEGA	BOLBA	20210301904	KGBV BOLBA
444	South Chotanagpur Division	SIMDEGA	JALDEGA	20210706406	KGBV JALDEGA
445	South Chotanagpur Division	SIMDEGA	KOLEBIRA	20210203610	KGBV KOLEBIRA
446	South Chotanagpur Division	SIMDEGA	KURDEG	20210100709	KGBV KURDEG
447	South Chotanagpur Division	SIMDEGA	THETHAITANGAR	20210505507	KGBV THETHAITANGAR
448	South Chotanagpur Division	SIMDEGA	KOLEBIRA	20210203604	GOVT. GIRLS UPGRADED HIGH SCHOOL, KOLEBIRA
449	South Chotanagpur Division	SIMDEGA	SIMDEGA	20210403602	RAJKIYAKRIT SWAMY SHRADHANAND HIGH SCHOOL, TAINSER