

**OFFICE OF THE DEO-cum-DPO, JEP EAST SINGHBHUM, JAMSHEDPUR**

**Notice inviting Expression of Interest (EOI)  
for providing Computer Lab/ ICT lab, Smart Class & Strengthening Library  
in Schools  
(Very Short Term)**

District Administration has sanctioned installation of Computer Lab/ ICT lab, Smart Class & Strengthening of Library in different school of East Singhbhum district under RURBAN MISSION CGF Fund.

Expression of Interest (EOI) for installation of 04 Computer Lab/ICT Lab, 08 Smart Class & Supplying of Library Books with Book-self & Almirah in 08 schools is hereby invited from reputed firms/ companies/ agencies/Publishers. Interested firms/ companies/ agencies/Publishers are requested to submit the EOI by post (Registered / Speed) or by hand at the office of the **DEO-cum-DPO, JEP, East Singhbhum, Old DC office, Near Blood Bank, CH- Area Bistupur, Jamshedpur-831001 (Jharkhand)** latest by 22<sup>th</sup> October, 2019 upto 03:00 pm.

The detail term and condition of EOI is available on East Singhbhum district website <http://jamshedpur.nic.in/>.

Sd/-

**DSE-cum-ADPO**  
JEP,East Singhbhum, Jamshedpur

sd/-

**DEO-cum-DPO**  
JEP,East Singhbhum, Jamshedpur

## Details term and condition of EOI :-

### Scope of Project:

1. Supply and Installation of Computer Lab/ ICT lab in 04 schools.
2. Supply and Installation of Smart Class in 08 schools.
3. Supplying of Library Books with Book-self & Almirah 08 schools.
4. Teacher training for handling of computer teaching & smart class Operation.
5. Training of student for uses of smart class.
6. Maintenance, updation and monitoring of smart class up to 3 year
7. Specification of Package A & B :-

### Package - A

#### TECHNICAL SPECIFICATION OF COMPUTER LAB/ ICT lab

#### Hardware & Software required

Sr. No	Item	Technical Specification	Unit
A	B	C	D
1	Desktop computer	<p>Processor: Intel i5 or AMD A10 Equivalent with Min. 3.0 Ghz or higher., Motherboard: Compatible Chipset on OEM Motherboard</p> <p>Memory: 8 GB DDR3/R4 , Hard Disk: 1 TB Monitor: Min 18.5" LED TFT or higher from same OEM. Ethernet: Ethernet integrated Giga-bit (10/100/1000) Mouse: Two Button PS/2 or USB Optical Scroll Mouse (Any Reputed Brand) Key Board: PS/2 or USB Key Board (Any Reputed Brand) Optical Drive: 16x DVD RW or higher Graphics: Onboard HD Graphics, Audio Controller: Onboard Audio controller I/O Port: 6 (Six) or more USB 2.0 ports (at least 2 in front); 1 Ethernet (RJ45); 1 VGA Out; minimum 1 Audio line in / out; 1 Microphone line in. Expansion Slot: At least 3 PCI/ PCIe slots Power: 280 Watt or lower with active PFC,</p> <p>Windows 10 Operating system with Licence &amp; media. Recent Antivirus with Licence. Microsoft Office 2013 Genuine with media &amp; Academic Licence QAC from OEM</p>	10
2	Web Camera	<p>Web Cam: HD video calling &amp; connecting, Image Resolution: 16.0 Mega Pixel, I/O Interface: USB 1.1 at least, Image Control: Brightness, Contrast, Hue, Saturation, Gamma, White Balance Environment: Indoor &amp; Outdoor</p>	1
3	16 Port Switch	<p>16 Port 1000 mbps unmanaged Switch should be Rack Mountable . D-link type or Similar Configuration branded company</p>	1
4	Furniture	<p>Wooden Table : 600 x 450 x 725 mm with Sun mica Top, (ISO Certified), 600mm x 450mm x 725mm or better top having facility for keeping CPU, Monitor, Keyboard (pull out tray) and Mouse. Plastic Molded Chair ISI brands 01 with handle and rest without handle No. of chairs per location: 25 No. of Tables per location : 12</p>	1

5	Site Preparation work <b>(1 Class Room)</b>	Standard Quality of work of electrification including paint, 2Tube Lights/LED, 2 Ceiling/ wall Fans, 01 Exhaust Fan, networking with 1 internet connection per lab with higher bandwidth, Vinyl flooring(Minimum 0.5 thickness) average 400 to 450 sqft per lab , 01 Fire Extinguisher - Branded standard quality  Earthing- Earthing should be below 2 Volts with copper plate, and electrode with copper wire with main switch. The copper plate has been buried with the necessary depth in the soil, along with required quantity of salt, sand, and charcoal filling, after necessary excavation. All items to be ISO/ISI certified	1
6	Teacher training	Minimum 5 teachers per school to be trained for initially 10 days and for 5 days after 6 months and 5 days per year in 2 subsequent years. Total 25 day training. Number of teacher to be trained is depending upon availability of teachers.	As required
7	<b>Services</b> Computer Instructor	One Dedicated Computer Instructor required for a period of 1 year to maintain the computer lab as well as to facilitate the computer education & Smart Class facility to school children CI should be Graduate & Diploma in computer course for at least 1 years.	1

**Package - B**

**TECHNICAL SPECIFICATION OF SMART CLASS**

**Hardware & Software :-**

Sl.	Item	Technical Specification	UNIT
1)	Interactive & computing device Including board	Processor- i3 PC /4GB RAM/500GB HDD/Windows10, Small form factor (SFF ) with 4 USB, 1 Type C, 10/10/1000 LAN, VGA, HDMI, Audio Port Mic , Wi-Fi , OEM same make keyboard mouse, OEM should be present in TOP 5 IDC in PC/ Thin-Client/Min PC category since 3 year , BIS certification  SFF PC will be preferred.  Windows 10 Operating system with License & media.  Recent Antivirus with Licence.  Microsoft Office 2013 Genuine with media & Academic Licence. QAC from OEM  Software : Intellispace , Simultaneous Touch points: 255 , Average Wave length to Receive: 850nm +/- 20nm Signal Refresh Rate up to 200 FPS at 195 Mn dots / sec , Accuracy + / - 2 px, Max USB Transmission Distance: 15ft, Image Dimension-0" diagonal @ 50 cm, Transmission FPS- up to 200 FPS, Calibration-Automatic / Manual Calibration, Resolution- 6768 x 4320 dpi , Data Rate- 195 million dots/sec, Response Time- 8ms, Optimized Cursor Jittering 7 point Bezier algorithms histogram, Screen Capture/Active Screen Area- Upto 160"  Wireless Keyboard and Mouse Bluetooth Speakers 30 watt with woofer set.  6*4 ft 1 Whiteboard	1
2)	Software	Multimedia content mapped to NCERT curriculum from class 1-8th in Hindi and English .	1

Sl.	Item	Technical Specification	UNIT
3)	Projector	DLP/LED Projection System: 0.65" WXGA, Native Resolution: 1280x800, 3500 ANSI Lumens, Contrast Ratio with Super Eco Mode: 22000:1, Display Color: 1.07 Billion Colors, Light Source Type: Lamp, Light Source Life (Normal): 5000 hrs, Light Source Life (Super Eco): 15000hrs, Lamp Watt: 200W Throw Ratio: 0.49, Throw Distance: 0.63m-1.9m (87" @ 0.92m), Keystone: H:+/-26°, V:+/-40°, Optical Zoom: Fixed, Digital Zoom: 0.8x ~ 2.0x Audible Noise (Normal):31dB, Audible Noise (Eco): 27dB, Input Lag: 16ms, Resolution Support: VGA(640 x 480) to FullHD(1920 x 1080), HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video Compatibility: NTSC, PAL, SECAM, Horizontal Frequency: 15K~102KHz, Vertical Scan Rate: 23~120Hz, Input: Computer in (share with component): 2, Composite: 1, Audio-in (3.5mm):1, HDMI: 2 (HDMI 1.4/ HDCP 1.4), Output: Monitor out: 1, Audio out (3.5mm):1, Speaker: 10W, USB Type A (Power): 1 (5V/1A), Control:RS232 (DB 9-pin male): 1, RJ45: 1, USB Type Mini B (Services): 1, Feature Map – Visual: Super Color, 3D Blu-ray, 3D Ready, Feature Map – Installation: 4 Corner Adjustment, Auto Power on - Direct Power on, Smart Energy - Auto Power off, Smart Energy - Sleep Timer Smart Energy - Power Saving, BIS certification	1
4)	Laser Printer	Print, copy and scan with one compact machine - and reduce your environmental impact with energy-saving features, 100-sheet face-down bin, Maximum output capacity (sheets) Up to 100 sheets, Media sizes supported: A4, A5, ISO B5, ISO C5, ISO C5/6, ISO C6, ISO DL	1
5)	Site Work (1 class room)	Standard Quality of work of electrification including paint, 2Tube Lights/LED, 2 Ceiling/ wall Fans, 01 Exhaust Fan 1 internet connection per lab with higher bandwidth, Vinyl flooring(Minimum 0.5 thickness) average 400 to 450 sqft per lab, Earthing- Earthing should be below 2 Volts with copper plate, and electrode with copper wire with main switch. The copper plate has been buried with the necessary depth in the soil, along with required quantity of salt, sand, and charcoal filling, after necessary excavation. All items to be ISO/ISI certified	1
6)	Solar Hybrid UPS	Total Capacity 1500 VA,SPV Modules: Mono/ Multi Crystalline Silicon PV cells fitted with bi pass diodes. The modules should also have been tested & confirm to IEC 61215 standards., 12 V low maintenance Tubular Batteries DC Bus Voltage ≥ 48VDC, 2 hours of backup, 3600 VAH, building UPS, Single Phase input 120 - 280 V, 50 HZ+/-6%, Output Wave form Sine Wave, Transfer time < 6 m sec, Voltage THD < 3% on linear load, Battery sizing details to be enclosed; Batteries of well-known brands to be supplied with OEM Warranty Certificate for 5 years duration. Grid charger CVCC battery charger to charge in 8-10 hours' time, Deep discharge protection, Battery reverse polarity protection, Over charging protection Display /Indications and alarm, LED indication Solar ON, Mains ON, Inverter ON, Battery Low, Over load, Inverter Fault, Battery Model, LCD Meter Display All Input/ Output Parameters Audible Alarm Battery Low, Over Load, Fault, Battery Operation, Over Temperature, Audible Noise < 65 dB at 1 meter distance, Temperature Range 0°C to 45°C Relative Humidity 10-95% RH non-condensing, Junction Box Dust and vermin proof to provide termination of cables along with tags NOTE: Suitable length of cable shall be provided for interconnection of modules, charge controller, battery bank, Inverter, etc Warranty Certificates	1

Sl.	Item	Technical Specification	UNIT
		from Solar Panel OEM & Battery  Module Mounting Structure: Suitable to accommodate solar modules, made of MS angles, duly galvanized to avoid corrosion. The mounting structures for SPV modules should be without too many welding joints and fixed to the roof top. Roof top space (without shading) to be made available. Approx. 250 sq. ft. required for 2KW installation. OEM Certifications: a) ISO 9001 & ISO 14001. b) Test report as per IEC Standards for Solar Hybrid UPS ( PCU) from MNRE approved Lab	
7)	Teacher Training	Minimum 5 teachers per school to be trained for initially 5 days and for 5 days after 6 months and 5 days per year in 2 subsequent years. Total 20 day training. Number of teacher to be trained is depending upon availability of teachers.	As required

**OR**

**Equivalent/ superior specification**

**Package - C**

**TECHNICAL SPECIFICATION OF STRENTHEINNG OF LIBRARY**

- **Book only published by GOI publisher- NBT/ CBT/ NCERT**
  - **Minimum 25 % discount on print price.**
  - **4 Steel Book self with Glass cover – Good quality, Godrej Type.**
  - **1 Steel Almirah – Good quality, Godrej Type.**
  - **With Supply & fitting in schools.**
8. Manufacturer of the device should be ISO 9001 : 2008
  9. Warranty on device : 3 years from date of installation.
  10. Maintenance and updation of Computer Lab/ ICT lab & Smart Class : upto 3 years
  11. Last date for receipt of EOI (\*Technical and Financial bid in separate sealed envelope) : **22<sup>th</sup> October, 2019 (03:00pm)**
  12. No advance payment shall be made in any case.
  13. The authority reserves the right to approve rates of more than one bidder declaring them as "Successful Tenderers" and split the work order during the period under reference.
  14. The authority further reserves the right to reject, accept or prefer any tender in part or full and is not bound to accept the lowest rates or any workable rates in view of the quality and prevailing local market rates without assigning any reason whatsoever at any stage.
  15. The quantity mentioned in the EOI Format is indicative in nature and can be increased/ decreased according to need.
  16. Provisions of Jharkhand Purchase Policy-2014 will be applicable in the EOI.
  17. Place of Submission of EOI : **DEO-cum-DPO,JEP, East Singhbhum, Near Blood Bank, CH –Area, Bistupur, Jamshedpur-831001 (Jharkhand)**
  18. **EOI opening date : 22<sup>th</sup> October, 2019 (04:00 pm)**
  19. **Place of opening : Deputy Development Commissioner Office, East Singhbhum at Collectorate Building, Jamshedpur-831001 (Jharkhand), 22<sup>th</sup> October, 2019 (04:00 pm)**
  20. All bidder must arrange demonstration of device (as required) at the time of opening of bid.

## **\*TECHNICAL BID ENVELOP**

### **The technical bid envelop must contains :-**

1. Package A,B,C must be clearly mentioned.
2. Earnest Money Deposit EMD for Package A,B of INR 1,40,000.00 (Rupees One Lacs forty thousand only), in the form of Demand Draft or Bank Guarantee in favour **JEP, SSA EAST SINGHBHUM**
3. Copy of GST registration and up to date clearance.
4. PAN Card and copy of ITR filed in last three year (FY : 2016-17, 2017-18, 2018-19)
5. The audit report of last three years.
6. Affidavit stating that the firm/ agency is not blacklisted.
7. Certified copy of turnover certificate (The applicant should have minimum average turnover of Rs.10.00 crores for Package -A & B and Rs 30.00 Lakh for Package – C in last three financial years 2016-17, 2017-18, 2018-19. This must be certified by the Chartered Accountant)
8. Certified copy of authorized dealers/ authorisation certificate of company.
9. The bidder must provide Manufacturer Authorization forms (MAFs) from all Original Equipment Manufacturer (OEM).
10. The bidder should have experience in establishing & running minimum 150 Computer lab/ ICT lab & Smart Class Project in Govt./ PSU/ Municipal Corporation Schools.
11. For package –C Strengthening of Library - Earnest Money Deposit EMD of INR 32000.00 (Rupees Thirty Two Thousand only), in the form of Demand Draft or Bank Guarantee in favour of **JEP, SSA EAST SINGHBHUM**. Authorisation of NBT/CBT/NCERT. Direct bidding by NBT/CBT/NCERT will be preferred for books. Detail of Iron Specification in mm of Steel book self & Steel Almirah with size, no. of self, thickness of steel & Depth of self must be mentioned in technical specification. All other documents required are same as mentioned above.

## **\*FINANCIAL BID ENVELOP**

### **The financial bid envelop must contains:-**

The rate of device per unit (including of GST & all taxes). No other charges shall be paid extra.

### **Package A- Financial Format Computer Lab/ ICT Lab**

S#	ITEM	MAKE & MODEL	Total Cost with all Taxes (in Rupees)
	A	B	C
1.	Desktop computer		
2.	Web Camera		
3.	16 Port Switch		
4.	Furniture		
5.	Site Preparation work (1 Class Room)		
6.	Teacher training		
7.	<u>Services</u> Computer Instructor		
Total of prices of one computer lab / ICT Lab (all hardware and Services) mentioned above (Inclusive of all Taxes)			

### Package B- Financial Format Smart Class

S#	ITEM	MAKE & MODEL	Total Cost with all Taxes (in Rupees)
	A	B	C
1.	Interactive & computing device Including board		
2.	Software		
3.	Projector		
4.	Laser Printer		
5.	Site Work (1 class room)		
6.	Solar Hybrid UPS		
7.	Teacher Training		
Total of prices of one Smart classroom (all hardware and Services) mentioned above (Inclusive of all Taxes)			

### Total Cost of Project (Inclusive all Taxes)

Package A	Package B	Package A+B

### Package C- Financial Format Strengthening of Library

S#	ITEM	NAME OF PUBLISHER for books . Company/ agency for other item	Total Cost with all Taxes (in Rupees)	Discount in % & rupees	Total Cost after discount with all Taxes (in Rupees)
	A	B	C		
1	BOOKS (SEPARATE LIST BOOKS MUST BE ATTACHED WITH QUANTITY & PRICE)				
2	Steel Book Self per piece		per piece-		For 04 piece-
3	Steel Almirah per piece		per piece-		For 01 piece-
Total of prices of Strengthening of Library in ONE school mentioned above (Inclusive of all Taxes)					

**LIST OF BOOK FOR STRENGTHENING OF LIBRARY UNDER RURBAN MISSION IN 08 SELECTED SCHOOLS**

<b>S.N.</b>	<b>Description of books</b>	<b>ISBN Ser-Lang</b>	<b>Qty.</b>	<b>Price (per piece)</b>	<b>Total Amount(Rs.)</b>
1	JHARKHAND		48		
2	PHYSICAL GEOLOGY OF INDIA		32		
3	THE NATIONAL CULTURE OF INDIA		32		
4	BHARATIYA AADIWASI JEEWAN		32		
5	INDIAN PAINTING		16		
6	HIMALAYAN TRAVELS		16		
7	HIN-HINDUSTANI MUSIC		16		
8	ANAND PANCHCHI NIHARAN KA		16		
9	DOMESTIC ANIMALS		16		
10	COMMON BIRDS		16		
11	BHARAT KI NADIYAN		32		
12	WOMEN IN INDIAN SOCIETY		32		
13	OUR CONSTITUTION		16		
14	THE UNFORGETTABLE NEHRU		32		
15	STORY OF THE I N A		16		
16	HIN-KASHMIR SE KANYA KUMARI		32		
17	UNDERSTANDING ADOLESCENCE		32		
18	PARVAT PARVAT BASTI BASTI		16		
19	HIN-JO DIKHTA HAI AUR DIKHTA NAHIN		16		
20	INDIAN SOCIETY		16		
21	VOLUNTARY ACTION AND GANDHIAN APPROACH		16		
22	OUR ENVIRONMENT		16		
23	SPACE TODAY		32		
24	SOME COMMON AILMENTS		32		
25	RIDDLES IN YOUR TEA CUP		16		
26	WATER : THE MATRIX OF LIFE		16		
27	HIN-ENDANGERED ANIMALS OF INDIA AND THEIR CONSERVATION		16		
28	INKALAB 1857		16		
29	HIN-GHADAR AANDOLAN		16		
30	HIN-GRAM NIYOJAN		16		
31	BANGLADESH KI SWATANTARTA SANGRAM MEIN B		16		
32	VO CHAR JAANBAAJ KRANTIKAARI		16		
33	SAMUDAYIK GRAMIN VIKAS		16		
34	1857 KI KAHANIYAN		16		
35	JAI SHANKAR PRASAD KI SHRESTHA KAHANIYAN		16		
36	MAHASHWETA DEVI KI SHRESHTH KAHANIYAN		16		
37	NAYE HINDI LAGHU NATAK		16		
38	MAHIP SINGH: SANKALIT KAHANIYAN		16		
39	RANGBHOO MI		16		
40	PREMCHAND: SANKALIT KAHANIYAN		32		
41	HOMI JAHANGIR BHABHA		16		
42	NANA SAHEB PESHVA		16		
43	DESHBHAKT BIRSA		32		
44	MAHARANA PRATAP		16		
45	SHIVAJI		16		
46	GANDHI EK JEEVANI		32		
47	JAI PRAKASH NARAYAN		16		
48	NETAJI SUBHASH CHANDRA BOSE		16		



49	DR BABA SAHEB AMBEDKAR	16
50	MASTERDA SURYASEN	16
51	SARDAR VALLABH BHAI PATEL	16
52	BHARAT KEE LOK KATHYEN	32
53	BHARAT KE ADIVASI KSHETRON KI LOK KATHAY	32
54	KARMAYOGI LOKMANYA TILAK	16
55	CHANDERSHEKHAR VENKATRAMAN	16
56	RAJA RAMMOHAN ROY	16
57	DRISHYALEKH : SWATANTYOTTAR HINDI NATAK      SANCHAYAN	16
58	HINDUSTANI KAHAVAT KOSH	16
59	RANI LAKSHMIBAI	16
60	INDIA BY AL-BIRUNI	16
61	HIN-SACHIN KE SAU SHATAK	32
62	VISHWA CRICKET AUR BHARAT	16
63	AZAD BHARAT MEIN CRICKET	16
64	KAVITA BACHPAN	16
65	SWAMI VIVEKANAND	16
66	THE MIND OF MAHATMA	16
67	GANDHI PATEL : PATRA AUR BHASHAN SAHMATI	16
68	EPISODES IN THE LIFE OF AKBAR	16
69	HASAN JAMAL KI CHAAR BAL KAHANIYAN	16
70	THE ELEPHANT AND THE DOG	16
71	SHRESTHA HINDI BAL NATAK	16
72	SWAMI AND HIS FRIENDS	32
73	INVENTIONS THAT CHANGED THE WORLD-I	16
74	INVENTIONS THAT CHANGED THE WORLD-II	16
75	MOTHER TERESA	16
76	FESTIVALS OF INDIA	16
77	PAANCH DOST	32
78	PAANCH KAHANIYAN	32
79	DESH BHAKT DAKU	32
80	DADI	32
81	THE BEST THIRTEEN	32
82	TENALI RAMKRISHNA KI CHAMATKARIK KA	16
83	JORASANKO HOUSE	32
84	EVEREST, MAIRE SHIKHAR YATRA	32
85	ISRO KI KAHANI	16
86	A WET SUMMER DAY	32
87	HIN-BOLNE WALI GHADI	16
88	THE CAT FAMILY	16
89	ALL TIME STORIES FOR CHILDREN	16
90	PAKSHIYO KA KAVI SAMMELAN	16
91	CHUHA SAAT POONCHHON WALA	16
92	KABULIWALA	16
93	HIN-EK YAATRA	16