



West Bengal State Electricity Distribution Company Ltd.

(A Government of West Bengal Enterprise)

Office of the Project Site-In-Charge
PURULIA PUMPED STORAGE PROJECT

Telephone:03252-250201
E-Mail : ppspsite@yahoo.com

Bagmundi
Purulia-723152

NIT Memo No: WBSEDCL/PPSP Site/ AMC/CCTV/OPH/TENDER/21-22/84/558 Dated 27.08.2021

- 1) West Bengal State Electricity Distribution Company Ltd. (WBSEDCL) invites sealed quotation from bonafied, experience and resourceful agencies for engagement of suitable outside agency for a period of #1(one) Year for Non-comprehensive Annual Maintenance Contract of Intercom system under the jurisdiction of Purulia Pumped Storage Project Site, Bagmundi, Purulia-723152 .
- 2) **Name of Work:** Non -Comprehensive Annual Maintenance Contract of Intercom system under the jurisdiction of Purulia Pumped Storage Project Site, Bagmundi, Purulia-723152 .
- 3) **Price Bid :** The Price schedule for Non -Comprehensive Annual Maintenance Contract of Intercom system under the jurisdiction of Purulia Pumped Storage Project Site, Bagmundi, Purulia-723152 , mentioned in **Annexure- I**.
- 4) **Scope of Work: Enclosed in Annexure-II**
- 5) **Tender fee : NIL**
- 6) **EMD Fee: NIL**
- 7) **Technical details of equipment: Enclosed in Annexure-III,**
- 8) **Credential-cum-Eligibility Criteria:**
 - i. only those firm who are having credential in work of supply , installation wiring testing & commissioning of IP Based Intercom or Digital Electronics Exchange or similar nature of work
 - ii. The Agency/ Contractor should provide credentials for execution of similar type of work in last 5 years in Govt./Semi-Govt./PSU/Private Organizations, etc. The agency/contractor shall have to furnish copy of work order to justify their credential and performance certificate from the employer. The contractor/agency should have G.S.T, Professional Tax, Income Tax and must have PAN, ESI & PF registration. Copies to be submitted
- 9) Tender shall be of two parts Bid (a) Techno-Commercial Bid and (b) Price Bid which are to be submitted in separate sealed cover. Name of the work, Tender No., Due Date and Time of Tender submission and word 'Cover-I & Earnest Money' should be clearly written on front side of the 1st Envelope. Name of the work, Tender No. and Date and Words "Cover-II" and Techno-Commercial Bid should be clearly written on front side of the 2nd Envelope. Name of the work, Tender No. and Date and words "Cover-III" and Price Bid should be clearly written on front side of the 3rd Envelope. The above three covers shall be placed in a 4th envelope and shall be submitted in properly sealed condition super scribing Tender Notice No. and date, Name of the work and No. of covers inside with mentioning Tenderer's Name & Seal.
- 10) Receipt of Tender Documents.
- 10.1 **Cover-I:** Name of the work, Tender No., Due Date and Time of Tender submission and word 'Cover-I & Price Bid' should be clearly written on the front side of the envelope. This envelope shall contain only Price Bid . In case of any shortfall, the offer will be treated as cancelled and in that case Cover-II & Cover-III of the bid shall not be opened.

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10.2 **Cover-II:** Name of the work, Tender No., Due Date and Time of Tender submission and word 'Cover-II and Techno-Commercial Bid' should be clearly written on the front side of the envelope. This envelope shall contain complete Techno-Commercial bid. WBSEDCL reserve the right to reject the offer and not to open the Price Bid. The requisite **Credential-cum-Eligibility** as mentioned in Sl. No- 8/ i & ii of Tender mentioned above of contract should be enclosed with the Techno-commercial offer of the Bid for checking and assessing the suitability of the contractors. In case of any deviation in the Techno-commercial offer of the Bid, WBSEDCL reserves the right to reject the offer and not to open the Price bid.

10.3 **Cover-III:** Name of the work, Tender No., Due Date and Time of Tender submission and word 'Cover-III & Price Bid' should be clearly written on the front side of the envelope. This envelope shall contain complete Price Schedule.

10.4 All the above three covers shall be placed in a 4th cover and shall be submitted properly sealed super scribing "Tender No., Due Date & No. of covers inside" with mentioning Tenderer's name & seal.

11) Place and Time of Submission of Bid: The sealed envelope will be received at the receive section at the Office of Addl. Chief Engineer & PSIC, Purulia Pumped Storage Project Site, WBSEDCL, Bagmundi, Purulia West Bengal during office hours till 12:00 hrs on all working days except Sunday and Holidays up to 21.09.2021.

12) No tender shall be accepted By Post/Courier/Mail/Fax.

13) Validity of Tender: 120 days from the date of opening of Part-(a).

14) Place, Date & Time for opening of Bid:

- a) Techno-Commercial Bid will be opened at 12:30 Hrs. on 21.09.2021, at the Office of The Addl. Chief Engineer & Project Site In-charge, Purulia Pumped Storage Project Site, WBSEDCL, Bagmundi, Purulia, West Bengal. Bid will be opened in presence of available Bidder's authorized representative.
- b) Price Bid: The envelope containing Price Bid will only be opened for those Tenderers if they full fill the Techno-Commercial terms of the NIT. The date & time for opening the offer of the price bid shall be intimated in due course.

15) For details please visit our Website: www.wbsedcl.in or Contact Office of the Addl. Chief Engineer & Project Site Incharge, Purulia Pumped Storage Project Site, West Bengal State Electricity Distribution Company Limited, Administrative Building, Patherdih, Bagmundi, Purulia-723152, Phone No:- 03252-250202

16) Schedule of Dates for Tendering:-

SL.No	Activity	Date & Time
01	Bid document upload date at website	31.08.2021 at 11:00Hrs
02	Bid Submission Start Date	01.09.2021 at 11:00 Hrs at PPSP Site, WBSEDCL, Bagmundi, Purulia-723152
03	Bid Submission End Date	21.09.2021 at 12:00 Hrs at PPSP Site, WBSEDCL, Bagmundi, Purulia-723152
04	Techno-Commercial Bid opening Date(Cover-I & II)	21.09.2021 at 12:30 Hrs at PPSP Site, WBSEDCL, Bagmundi, Purulia-723152
05	Price Bid opening date(Cover-III)	The date & time shall be intimated in due course

15) **Estimated Cost:** 332000.00(Rupees Three Lakh Thirty Two Thousand only) including GST.

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17) Availability of Copy of Tender:-

- a) WBSEDCL official Website: www.wbsedcl.in
- b) Office of the Chief Engineer & Project Manager, PPSP HQ, WBSEDCL, Vidyut Bhavan, Salt Lake City, Kolkata, West Bengal PIN: 700091
- c) Office of Addl. Chief Engineer & Project Site- in-Charge, PPSP Site, WBSEDCL, Bagmundi Dist: Purulia, West Bengal PIN: 723152
- d) Contact Person, If any clarification is needed : Mr. D. Murmu, Divisional Engineer (Electrical), OPH, PPSP Site (Mob No:-8170043823)

18) The Company reserves the right to reject / accept any or all tenders without assigning any reason what so ever and do not bind it to accept lowest tender. No telephonic correspondence will be entertained regarding fate of the tender.

19) Conditional Bid will not be accepted and will be summarily rejected.

Yours Faithfully,

A. Sarkar
27/8/2024

(A.sarkar)
Addl. C.E. & P.S.I.C
PPSP Site, WBSEDCL

General Terms & Condition of the contract:-

1. **Price:** Price should be firm inclusive of all incidental charges. GST value and percentage to be written separately in quotation. However GST will be applicable as per law of land at the time of placement of order.
2. **Controlling Officer:** The Additional Chief Engineer & PSIC, PPSP Site, Bagmundi, Purulia shall be the controlling Officer
3. **Supervising Officer:** The Superintendent Engineer (Electrical), O.P.H., PPSP Site, Bagmundi, shall be the Supervising Officer.
4. **Paying Authority:** The Assistant Manager(F & A) PPSP Site Bagmundi, shall be the paying authority
5. **Payment :** Quarterly payment will be made after completion of Three months against submission of satisfactory performance report duly certified by the supervising officer and invoice Payment shall be made by A/c payee cheque/RTGS/NEFT. Income tax (TDS) will be deducted from your bill as applicable.
6. **Breakdown repair during AMC period:** You shall attend the breakdown of CCTV system and rectify the same at PPSP Site within two working days from the date of intimation. Intimation will be sent to you either by telephone or by mail.
7. **Supervision during AMC period:** During AMC period quarterly site supervision of CCTV system will be done by you. Site supervision report duly signed by the PPSP site authority will be submitted along with the AMC bill. In absence of which AMC bill will not be processed for payment
8. **Tools & Tackles:** All the tools & tackles required for the job will have to be supplied by the agency.
9. **Transportation:** All sorts of Transportation of the personnel, tools and tackles etc. for attending the job should be made by the agency through its own arrangement.
10. **Risk and Insurance:** The Company will, in no way, be held responsible/liable for any accident/mishap of any of agency's workmen during execution of the work. Any loss/damage to any equipment of the department, during execution period, will have to be duly compensated by the agency to the entire satisfaction of the Site Engineer/Controlling Officer of the work. The Agency should arrange necessary insurance for this.
11. **Period of Contract:** The contract shall be for a period of 01 (one) year
12. **CONTRACT PERFORMANCE SECURITY:-** Performance Guarantee @ 3% of the contract value shall be deposited in the form of DD/Pay order/Banker Cheque or BG from any Nationalized Bank in favour of WBSEDCL within 15 days of award of work. Retention money @ 3% of contract value to be recovered from the R.A. bills. The Security Deposit shall bear no interest and all security money shall be refunded after 06 (Six) months from the date of completion of contract period, on certification of satisfactory completion by the Controller Officer of the work.

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13. **Pro-rata Deduction:** Pro-rata deduction on monthly bills may be made for not attending the maintenance work by the personnel of the agency on any particular day/days during a month. This deduction will be exclusive of any other penalty / L.D / deduction.
14. **Liquidated Damage:** In case of delay in execution of repair work beyond schedule or maintenance work getting effected adversely on any date due to paucity or incompetence or bad workmanship or untimely attendance of work, a liquidated damage @ ½ % (half percent) of the monthly rate will be deducted per day from the bill of the agency for a particular month, subject to maximum 10 % (ten percent) of the monthly contract value.
15. **P. F. Account & Labour Act:** The agency may please be note that prevailing Labour acts i.e. a) Contract labour (Regulation & Abolition) Act 1970, b) EPF & MP Act 1952, c) Workmen's Compensation Act 1923, d) Building and Other Construction Workers Welfare Cess Act, 1996, e) Building and Other Construction Worker's (Regulation of Employment and Condition of Service) Act 1996 f) Payment of Bonus Act 1965 g) Payment of wages Act 1936, h) Minimum wages Act 1948 i) Employees' State Insurance Act. 1948 must be complied by them as applicable.
16. **Accommodation & Electricity:** The Department may provide accommodation to the agency's Technical workmen at site dormitory, subject to availability of rooms, each having toilet, bath and kitchen space, during the contract period, @ Rs. 1000/- per month per room. The charges for electricity shall have to be paid as per Company's rates against bills.
17. **Employees' Identification:** The agency shall present their employees' identification to the Controlling Officer. Suitable method of identification shall be advised by the Controlling Officer and the agency shall fully comply with the same.
18. **Completion Report / Job Report:** Completion report will have to be submitted at the end of the contract period. Job report shall have to be submitted at the time of every routine service and breakdown service separately.
19. **Tax & duties:** All other taxes and duties shall be deducted from the bills as per norms.
20. **Safety Rules:** All the safety rules required for the work shall have to be followed.
21. **Inspection of site:** The agency may inspect the site and examine the individual machine before submitting the tender on their own cost Risk and responsibility
22. **Other terms & conditions:** The terms and conditions are not specifically mentioned will be guided by the rules and regulations of Company's (erstwhile Board's) General conditions of Contract.
23. **Jurisdiction:** Any dispute between the department and the agency will be inclusively within the jurisdiction of courts located in Purulia District or Kolkata High Court.
24. Risk Purchase Clause will be applicable as per norms of WBSEDCL



25. **CONTRACT AGREEMENT:** You shall have to execute an agreement in the prescribed Format of the company on a Stamp Paper worth as per latest amendment.
26. **Indemnity Bond:** Successful bidder shall have to submit *Indemnity Bond* as per prescribed format of the Company on a Stamp Paper worth as per latest amendment.
27. **Safety Induction Form:** Successful bidder shall have to submit a copy of "*Safety Induction Form*" as per prescribed format to the Controlling Officer before commencement of the work.



Price Bid Schedule

Annexure- I

Memo No. WBSEDCL/PPSP Site/AMC/ Intercom/ OPH/ Tender/21-22/ 84/558

Date: 27/08/2021

Price schedule for Non -Comprehensive Annual Maintenance Contract of IP Intercom System under the jurisdiction of Purulia Pumped Storage Project Site, Bagmundi, Purulia-723152 .

Sl no	Schedule of work	Unit	Qty	Unit rate in Rs. (Excluding GST)	GST in (%)	Total amount in Rs. Incl. GST
1	Service charge for one AMC of IP Intercom including all accessories installed under the jurisdiction of PPSP Site	LS/year	1			

ASarkar
27-8-2021

(Arindam Sarkar)
Addl.C.E & PSIC,
PPSP Site, WBSEDCL
Bagmundi, Purulia



Annexure-II

Scope of work:

Scope of work shall be as defined hereunder: -

1. The agency/firm must provide maintenance services of all FXS/FXO Gateway, Voice Routing, Network Routing and Network Switching and related equipment installed at PPSP Site.
2. The parts for which services could not be provided shall be provided by PPSP. The defective parts removed shall become the property of PPSP, if replaced from the existing hardware's. Defective parts shall be registered and mentioned in the stock register.
3. The agency / firm shall provide service for all spares (Hardware) which cover under the contract as well as any other need or service without any extra charges. Maintenance, configuration, and firmware up gradation of FXS/FXO Gateway, Voice Devices, Network Switches will be responsibility of the agency / firm.
4. The Technician/Expert will note the complaint received by mail with the name of complainant, details and date of complaint and allot a complaint no. to complainant who will be indicated in the call report or Logbook.
5. In case of any complaint, the Technician/Expert shall attend to the fault with immediately and rectify the problem within 48 business hours.
6. If there is any type of problem in a system which could not be rectified within 48 hours, the clear reason, solution & time for the rectification of the problem should be mentioned by the agency/firm engineer by mail through mail or on the call report/Log Book.
7. Any person from the agency/firm will neither open any system nor replace any spare without prior permission of authority of the Institute otherwise the agency/firm will be responsible for the same and the Institute may take necessary action accordingly.
8. The agency should do every month visit the site for cleaning all IP Phone.
9. If IP phone fail due to breakdown of OFC cable, then agency must provide free splicing upto 04 (Four) nos of splicing in a year including all charges. After that charge will be paid to the agency @ ₹ 4500/- (Rupees Two Thousand Five Hundred) only excluding GST per splicing charges for 12-Core OFC cable including material, labour and transport etc.
10. Stringing and Sagging of existing overhead OFC Cable Network, if required.
11. The agency/firm should have experience in installing FXS/FXO Gateway, Voice Routing, Network Routing and Network Switching.
12. Allotment of I.P address, Voice recording features, VLAN port allotment, User Authentication in RADIOUS Server etc. cannot be changed without the permission of competent authority. If misused or abused report will be submitted immediately to the competent authority.

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Annexure-III

Brief of Technical specification of IP based Intercom Installed under the Jurisdiction of PPSP Site, WBSEDCL

Sl. No.	Item Description	Qty	Units
1	8 Port Manage Switch 10/100/1000 with 2 SFP SLOT, Selected Q in Q, Policy-based traffic mirroring, Weighted Fair Queuing (WFQ)/WRR/SPQ scheduling algorithm, MAC freeze	10	Pcs
2	24 Port L3 Manage Switch with 4 SFP port 10/100/1000, Policy-based bandwidth control, Policy based prioritization, Layer 4 TCP/UDP socket filtering, 802.1p Class of Service (SPQ, WFQ, SPQ/WFQ combination capable), Policy-based route port moving	1	Pcs
3	Ultra-long-distance transmission, with dual power amplifier design would help to output 27dBm power. And outdoor weatherproof enclosure is also integrated high gain 16dBi directional dual-polarized antenna exactly competent for long range and high speed outdoor wireless transmission. WiD TDMA technology allows the access point to get up to 100 wireless users while still maintain reliable connections, even in noisy RF environment to ensure enough network bandwidth to every wireless client. Coverage Distance 110KM for backup support	4	Pcs
4	OFC SFP Module Media Type Supported: Optical Fiber Mode Supported	20	Pcs
5	SIP base Audio IP Phone with 2 SIP accounts, 2-line keys, at least 2.8 inches backlit graphical LCD display (132 x 48), 5 (navigation, menu) keys. 13 dedicated function keys, 3 XML programmable keys, PoE and Power adaptor (both) supported, Dual 10/100 Ethernet ports, HD Audio, Automatic provision for using TR-069	50	Pcs
6	SIP base 7" Capacitive Touch Screen Video IP Phone with 16 SIP accounts, Android supported (skype, Google Hangout, Microsoft Lync, Web Browser), PoE and Power adaptor (both) supported, Tilttable CMOS Camera, Dual Gigabit Ethernet ports, HD Audio, Automatic provision for using TR-069, Built-in Bluetooth & Wi-Fi, mini-HDMI port, RJ9 headset jack, 3 way Video Conference, Video Resolution 720P, Android 7.0 operating system	1	Pcs
7	IP PBX in Embedded Server with Media gateways, with ultimate expandability of 490 analogue/IP Extn., as per the RFP, comprising of following components Currently configured for 100 IP/Analog Extn. I. IP based IP PBX for 02 Analog extensions, 100 IP Extension (Audio & Video) Expandable to 490 Analog / IP Extension II. Analog trunk lines – 4.	1	Pcs
8	Telecom GSM FCT Router for GSM-FCT-Devices (Fix Cellular Terminal) Service including Licenses and latest Firmware upgradation for 4 Analog Trunk Gateway for Route PSTN Lines to IP Network for PBX Usage and Interconnect Existing Phone Systems (Sim Based or PSTN Links Like Airtel/Vodafone/BSNL etc.) in Remote Locations Across the Internet, Expanding Existing Phone Systems with IP-Based Phones and Hardware	4	
9	Unified communication Licenses and latest Firmware upgradation for all users including Voice Mail to Email and Fax Server 100 IP Extension	100	

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10	Powerful video resolutions up to 1080p, Built-in RFID chip reader for keyless entry, SIP video streaming to NVRs, video intercom stations, IP phones, or smart phones simultaneously, Built with a metal casing to make it weatherproof and vandal resistant, Built- in hemispheric camera allows for 180-degree wall to-wall coverage, Supports motion detection, Integrated PoE to power the device and provide a network connection, Built-in microphone and speaker offers voice options and intercom functionality, Video Compression H.264 High Profile / Main Profile / Base Profile, Motion JPEG Image Sensor Resolution 1/2.7", 2 Megapixel, 1920H x 1080V Lens Type 1/2", F2.5, FOV: 180°(W) x 150°(H) Day & Night White LEDs with smart brightness control Max Video Resolution 1920x1080 Max Frame Rate 30 frames per second Minimum Illumination 0.5Lux Wide Dynamic Range Yes, up to 120db	1	Pcs
11	Service Including Splicing of Outdoor F/O Cable, Loose Tube, SM, 1x12 Fibers, Central SteelWire+Corrugated Steel PE jacket	4700	Mtrs.
12	Fiber Optic LIU Rack Mount LIU (24 Ports) loaded with LC SM OS2 Pigtailed, Adapters, Splice trays, fiber management rings and splice sleeves including Splicing Charges	10	Pcs
13	Service and Maintenance of 23AWG CAT6 U/UTP LSZH Cable	1525	Mtrs.
14	2 KVA Online UPS with 60 mint Battery Backup	1	Pcs.
15	Service Including Splicing of SC-Style Pigtail, 9/125, Single mode, 1.5 meter for field switch end	132	Pcs.
16	Log Maintaining, identifying of problems and Solution in existing Core Network by: 1. Ability to provide MAC filtering and Static IP by protection from spanning tree protocol and limit client devices per switch port. 2. Ability to configure end to end quality of service (QOS) from the client to the exit point of the network and vice versa for HD Voice communications per switch port. 3. Ability to configure Interconnectivity between Access layer switches (that exist in different locations) and Core Switches between Admin building using high bandwidth 12 core fibre technology using Star Tropology and security with link redundancy configuration. 4. The Ability to configure network Access Control to isolate infected and/or unpatched clients at the network level. Ability to limit to one session per user. Ability to change the idle and active timers. Ability to Identify Network Broadcasting root and isolate the host device. The Ability to configure NTP Server and Client setup to maintain proper log of incoming and outgoing Voice call timings and call duration etc. 5. The ability to Encryption-Provision of TLS version 1.2 encryption applying strong ciphers. Security-Data Loss Prevention. Secure transit. Ability to manage voice recording features and data loss protection.	1	

ASorkar
27.8.2021

(Arindam Sarkar)
Addl.C.E & PSIC,
PPSP Site, WBSEDCL
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