



## Projects & Development India Limited

( A Govt. of India Undertaking )

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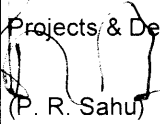
### INVITATION TO BID

To :  
Open Vendor

<b>ITB Number</b>	11/PNMM/E/3501/2018-19/101004
<b>Type of Bid /</b>	Two Part /
<b>Type of Opening</b>	Public Opening
<b>Date of Issue</b>	20.04.2018
<b>Bid Closing Date</b>	10-05-2018 Time : 11:30:00 AM
<b>Tech. Bid Opening Date</b>	11-05-2018 Time : 11:30:00 AM
<b>Price Bid Opening Date &amp; Time</b>	TO BE INTIMATED LATER
<b>Venue of Bid Opening</b>	PDIL, NOIDA
<b>Earnest money Deposit</b>	RS.3,30,000/-
<b>Delivery/Completion Period</b>	WITHIN 03 MONTHS OF ISSUE OF LOI/PO

Projects & Development India Limited (PDIL) is a Govt. of India Undertaking under the administrative control of the Deptt. of Fertilizers, Ministry of Chemicals and Fertilizers. PDIL invites e-bids thro' CPP Portal for the undermentioned item, subject to the terms and conditions and technical specification attached here in.

SL. No.	Material	Description	Quantity	Unit
10		Supply & installation of DC & DR SAP Server for	1	AU
		SAP ERP System		

For & on behalf of  
Projects & Development India Ltd.  
  
(P. R. Sahu)  
Addl. General Manager (MM)

**Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software  
at PDIL Noida & Vadodara**

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**ANNEXURE-I****Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software at PDIL Noida & Vadodara****Pre Qualification Criteria (PQC)****A. Technical**

- 1 The bidder has to be authorized Partner of OEM (M/s ORACLE for DR/DC SERVERS and M/s BROCADE for SAN SWITCHES) of proposed DR/DC SERVERS, SAN SWITCHES and other Hardware and Software mentioned at **ANNEXURE-VIII**

**Note:** DC SERVER shall be installed at PDIL Noida & DR SERVER shall be installed at PDIL Vadodara office.

**Authorization letter from OEM (M/s ORACLE & M/s BROCADE) must be submitted by the bidder to quote for subject Enquiry.**

- 2 The bidder must be in the business of IT Services (Supply, Installation & Maintenance of DR, DC SERVERS and SAN SWITCHES) for two years within five years from the date of closing of the bids.
- 3 The bidder should have ISO 9001:2008 / ISO 9001:2015 certified services. Copies of certificate must be enclosed.
- 4 The bidder must have successfully executed Work order / Purchase order (P.O) for IT Services (Supply, Installation & Maintenance of DR & DC SERVERS and SAN SWITCHES), within the last five (5) years, as follows:

At least one (1) Contract / P.O. of value not less than Rs. 211 lakh

or

At least two (2) Contract / P.O. of value not less than Rs. 132 lakh each

or

At least three (3) Contract / P.O. of value not less than Rs. 105 lakh each.

The bidder is required to submit the following documents to meet the above criteria:

- Purchase Order
- Completion Certificate

**B. Financial**

5. Average Annual Financial turnover during the last 3 years, ending 31<sup>st</sup> march 2017, should be at least Rs. 79 lakh.
6. Net worth shall be positive as on 31<sup>st</sup> march 2017.

**Note:** To meet the above criteria 5 & 6, the bidder is required to submit copy of Audited Annual Report (Balance sheet and profit & loss account) for the last 03 (three) financial years ending 31.03.2017.

Bidder may also submit chartered accountant's certified balance sheet, if Audited Annual Report (Balance sheet and profit & loss account) is not available for latest financial report (2016-2017).

**ANNEXIURE – II****Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software at PDIL Noida & Vadodara****Instruction to Bidders (e-Procurement)**

- 1.0 A bidder who meets the Pre-Qualification Criteria (PQC) as per ITB and intends to quote against this ITB may download the bidding document from PDIL website <http://pdilin.com> OR Central Public Procurement Portal <https://eprocure.gov.in/cppp> and submit the Bid complete in all respect as per terms & conditions of contract on or before the bid closing date and time.
- 2.0 **Submission of Bids:** Bids shall be submitted as detailed below:
  - 2.1 Bidders to submit the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>
    - 1) Possession of valid Digital Signature Certificate (DSC) and enrollment/registration of the contractors/bidders on the e-procurement / e-tender portal is a prerequisite for e-tendering.
    - 2) Bidder should do the enrollment in the e-procurement site using the "Click here to Enroll" option available on the home page. Portal enrollment is generally free of charge. During enrollment/registration, the bidders should provide the correct/true information including valid email\_id. All the correspondence shall be made directly with the contractors/bidders through email\_id provided.
    - 3) Bidder need to login to the site thro' their user ID/ password chosen during enrollment/registration.
    - 4) Then the Digital Signature Certificate (Class II or class III Certificates with signing key usage) issued by SIFY / TCS / nCode / eMudra or any Certifying Authority recognized by CCA India on eToken / SmartCard, should be registered.
    - 5) The DSC that is registered only should be used by the bidder and should ensure safety of the same.
    - 6) Contractor/Bidder may go through the ITB / tenders published on the site and download the required ITB documents/schedules for the tenders he/she is interested.
    - 7) After downloading / getting the ITB / Tender document/schedules, the Bidder should go thro' them carefully and then submit the documents as asked, otherwise bid will be rejected.
    - 8) If there are any clarifications, this may be obtained online thro' the tender site, or thro' the contact details. Bidder should take into account the corrigendum published before submitting the bids online.
    - 9) Bidder then logs in to the site through the secured log in by giving the user id/ password chosen during enrolment/registration and then by giving the password of the eToken / SmartCard to access DSC.
    - 10) Bidder selects the tender which he/she is interested in by using the search option & then moves it to the 'my tenders' folder.
    - 11) From my tender folder, he / she selects the tender to view all the details indicated.
    - 12) It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the bid will be rejected.

- 13) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/xls/rar/zip/dwf formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, permitted. Bidder Bid documents may be scanned with 100 dpi with black and white option. However of the file size is less than 1 MB the transaction uploading time will be very fast.
- 14) If there are any clarifications, this may be obtained through the sits, or during the pre-bid meeting if any. Bidder should take into account the corrigendum published from time to time before submitting the online bids.
- 15) The Bidders can update well in advance, the documents such as certificates, annual report details etc., under My Space option and these can be selected as per tender requirements and then send along with bid documents during bid submission. this will facilitate the bid submission process faster by reducing upload time of bids.
- 16) Bidder should submit the Tender Fee/ EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. Scanned copy of the instrument should be uploaded as part of the offer.
- 17) While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
- 18) The bidder has to select the payment option as offline to pay the Tender FEE / EMD as applicable and enter details of the instruments.
- 19) The details of the DD / any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bid will not be acceptable.
- 20) The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the tender requirements.
- 21) The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
- 22) If the price bid format is provided in a spread sheet file like BoQ\_xxxx.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. the Price Bid / BOQ template must not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.
- 23) The bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). the TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
- 24) After the bid submission (i.e after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number, given by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and will also act as an entry pass to participate in the bid opening date.
- 25) The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. the bidders should follow this time during bid submission.

- 26) All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
- 27) Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 28) The confidentiality of the bids is maintained since the secured Socket Layer 128 confidentiality technology is used. Data storage encryption of sensitive fields is done.
- 29) The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
- 30) For any queries regarding e-tendering process, the bidders are requested to contact as provided in the tender document. Parallel for any further queries, the bidders are asked to contact over phone: 1-800-233-7315 or send a mail over to [cppp-nic@nic.in](mailto:cppp-nic@nic.in).

2.2 Bidders are required to submit their bids under three envelopes as detailed below:

**Envelope (A)**

- 1) Earnest Money Deposit (EMD) as per Cl. 6.0 below.  
OR  
A copy of valid Registration Certificate, in case of NSIC/MSE registered Companies.
- 2) Annexure-VI Format of Bank Details (RTGS) for on line payment, all the details duly filled in.

**Envelope-B: Un-priced Technical and Commercial Bid** which comprises the following documents:

- a. Documents in support of 'Pre-Qualification Criteria" as per Annexure-I, attached.
- b. Complete ITB documents duly signed & stamped in each page with "Deviations"/"Exception" sheet (if any) and all Annexure duly filled in.
- c. **Price Confirmation Copy** - A copy of Priced offer (Annexure-V), keeping price blank (hiding the price) and in place indicating "Quoted" or "√", as a confirmation of price quoted against the enquired item and all applicable Taxes & Duties, shall be submitted.
- d. Copy of Check List as Annexure-IV enclosed, duly filled by the bidder making all the points clear and not leaving any voids.
- e. Photo copy of PAN card.
- f. GSTN of your company and HSN / SAC Code for the item / service against which bid is invited.
- g. Any other document as per the requirement specified in the ITB

**Envelope-C: Price Bid**

Price Schedule as per Annexure-V with quoted rates in Rs. and GST, as applicable, signed and stamped.

### 3.0 Opening of Bids

Bid opening will be Public. Envelope A and B only will be opened on Technical Bid Opening Date. Price Bids (Envelope C) of only those bidders will be opened which will be considered technically and commercially acceptable.

### 4.0 Evaluation of Bids

Bids shall be evaluated for Pre-Qualification Criteria (PQC) first and Techno-Commercial Bid Evaluation shall be carried out, only for those Bids which shall meet the Pre-Qualification Criteria (PQC).

Bids shall be scrutinized on Techno-Commercial parameters. Bids having unacceptable deviation may be rejected at this stage. However, clarifications shall be sought from bidder for any shortcoming found in their Bid at this stage.

The PRICE BID shall be opened only of those bidders who will be technically and commercially suitable.

### 5.0 Price Evaluation Criteria

Price Evaluation of Bids shall be done considering the quoted prices, by the bidders in the Price Schedule, along with taxes and duties and bidder shall be selected for award on overall lowest rate quoted considering input Tax Credit on account of GST.

~~In case of any discrepancy, unit rate shall prevail for calculation to arrive at the total price.~~

In case a bidder does not fill up any amount and leaves it blank or writing 'N/A' or put '-' against any item of Price Schedule, it shall be deemed that cost of such item (s) is included in other item by the bidder elsewhere in the quoted price.

Incomplete Price Schedule may result into rejection of bid.

### 6.0 Earnest Money Deposit (EMD)

Earnest money deposit shall be submitted by way of Demand Draft/ Banker's Cheque only drawn on any Scheduled/ Nationalized Bank in favour of 'Projects & Development India Ltd', Noida. EMD may also be submitted in the form of Bank Guarantee as per the format enclosed as Annexure-IX. **Quotation/Bid without EMD may not be considered.** However, NSIC/MSE registered Companies are exempted from submission of EMD provided a valid Certificate in this regard is submitted.

#### 6.1 EMD shall be refunded:

- To the unsuccessful bidders after acceptance of order by the successful bidder(s).
- To the successful bidder(s) after deposition of Security money/ confirmation by the Bank of the Security cum Performance Guarantee submitted by bidder

No interest shall be payable on EMD.

#### 6.2 EMD may be forfeited without prejudice to any other right or remedy of PDIL including but not limited to following circumstances:

- a) If a bidder withdraws his bid during the period of bid validity specified by the bidder
- OR
- b) In the case of successful bidder, if the bidder fails to accept the order
- OR
- c) If a bidder is found to have furnished Mis-representation or wrongful declaration/ presentation of qualifying data and other facts in their Bid.]

### 7.0 Validity of Bids:

- Prices quoted should remain valid for our acceptance for a minimum period of 90 days from the date of opening of technical bids. PDIL will not allow any revision in prices within validity period after sealed tender are opened.
- 8.0 If at any later date, it is found that documents, information and data submitted by the Bidder in the Bid, and based on which the Bidder has been considered eligible or successful or has been awarded the Contract is incorrect or false to the extent that had the correct or true information been made available to the OWNER at the time of Bid evaluation, the bid would have been declared ineligible or unsuccessful, the Bidder shall be forthwith disqualified or, as the case may be, the contract awarded based on such incorrect or false information shall be cancelled and the EMD/PBG/Security Deposit shall be liable to be forfeited.
- 9.0 Bidders are required to carefully go through the entire scope of ENQUIRY, terms and conditions, and other requirements before quoting. They should feel free to contact PDIL before submission of bid if they have any query on it. Once the bid is submitted, PDIL will presume that the bidder has understood thoroughly the Scope of Supply along with terms & conditions and all these are acceptable to them.
- 10.0 Bids shall be typed or written in indelible ink and must be free from corrections / erasing / overwriting etc. Any changes made must be authenticated with initial by the Bidder.
- 11.0 Bid shall be ideally in conformity to the Scope of supply/work along with all Terms & conditions, stipulated in the ENQUIRY. PDIL shall appreciate to receive a Bid having no deviation. However, under unavoidable circumstance, a Bidder may submit Deviations in a separate sheet, which PDIL at its own liberty may accept or reject. Deviations found elsewhere inside the Bid document shall not be considered. Deviations including condition(s), if any, found in the Price bid shall liable for rejection of a Bid in totality.
- 12.0 PDIL reserves the right to reject any or all the bids without assigning any reason whatsoever and does not bind itself to accept the lowest or any other bid. All bids in which any of the prescribed conditions are to be fulfilled or are incomplete in any respect are liable to be rejected. PDIL is at liberty to take any of the following actions in case of this ITB:
- a) to cancel the tender without reference to the bidders.
  - b) to postpone the due date and time.
- 13.0 Bidders shall not be entitled to claim any costs, charges, expenses or incidentals for or in connection with the preparation and submission of their bids even though Project & development of India Limited may withdraw the enquiry/tender or reject all bids.
- 14.0 **SITE VISIT:** If needed, Bidder can visit site (PDIL) before quoting their rates. For site visit and any clarifications please contact to:
- HOD (MM)**  
Projects & Development India Limited  
PDIL Bhawan, A-14, Sector 1,  
Noida – 201 301  
Gautam Budh Nagar (UP)  
Tel: 0120-2529842/43/47/51/91 (Extn. 344, 301), Fax: 0120 – 2529801  
e-mail: [prsahu@pdilin.com](mailto:prsahu@pdilin.com); [anjali@pdilin.com](mailto:anjali@pdilin.com); [mm@pdilin.com](mailto:mm@pdilin.com);
- 15.0 Bids submitted thro' FAX and e-mail will not be accepted. No request from any bidder to PDIL to collect the bid from airlines, cargo agents etc. shall be entertained by PDIL.
- 16.0 PDIL reserve the rights to assess bidder's capability and capacity to perform the contract
- 17.0 Bids must be submitted on or before the closing date and time well in advance. Bids received late are liable for rejection & no complaint shall be entertained in this regard for any reason whatsoever.
- 18.0 To know more about PDIL, please visit our website <http://www.pdilin.com>



**ANNEXURE-III****Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software  
at PDIL Noida & Vadodara****General Conditions of Purchase (GCP)****1.0 Scope of Purchase Order (P.O)**

The Scope of P.O shall be as per 'Technical Scope' and/or 'Schedule of Rates', attached to the ITB, unless & otherwise it is modified, at subsequent stage of bidding.

**2.0 Firm Price**

Price to be quoted shall be firm and subject to no escalation whatsoever during the delivery/completion period including extended period, if any, except for any statutory variations i.e. change in the rate of tax & duty and/or inclusion of any new tax & duty.

Bid with variable price will not be accepted.

**3.0 Price Basis**

For DC Server: FOR PDIL, NOIDA including risk in transit duly delivered, installed and accepted.

For DR Server: FOR PDIL, Vadodara-390023 (Gujarat) including risk in transit duly delivered, installed and accepted.

**4.0 Taxes and duties**

- 4.1 Goods & Service Tax (GST): GST shall be paid EXTRA as applicable as per GST law. Bidder shall clearly indicate the present applicable rate of GST in Percentage (%) along with corresponding HSN / SAC Code and enclose a copy of GST registration certificate along with the un-priced offer

PDIL shall avail Input Credit against payment of GST. Same will also be considered while evaluating the price bid. Relevant necessary documents shall be provided by the Contractor to enable PDIL avail the above credit set up.

- 4.2 Bidders have to ensure that they should file the Tax return on time to avail input Tax credit, else the same shall be deducted from EMD/Security Deposit/Running Bills.
- 4.3 Statutory variation in taxes and duties including imposition of any new tax & duty, within the scheduled Delivery/Completion period, as per P.O, shall be paid at actual on production of documentary evidence.
- 4.3.1 In case of delay in supply, if there is any increase in the rate of tax & duty and/or there is imposition of any new *taxi* duty by statutory authorities, PDIL shall restrict the payment of taxes & duties, as prevalent on the scheduled delivery/ completion period only, as mentioned in the P.O and amendment(s) there to.
- 4.3.2 If there is any decrease in applicable rate of taxes & duties &/or there is any withdrawal of any tax & duty by statutory authorities, during the delivery/ completion period including extended/amended period of P.O, shall accrue to PDIL's a/c.
- 4.4 PDIL shall provide E-way bill i.e. Road Permit, if required, on written request by the Supplier.
- 5.0 **Effective date of P.O:** Shall be the Date of issuance of LOI / P.O.

## 6.0 **Delivery / Completion Period**

The delivery of the material including installation and acceptance at PDIL Noida and PDIL Vadodara as per Scope of Work, shall be completed within 03 Months from the effective date of Purchase Order.

## 7.0 **Payment Terms**

### 7.1 **For Supply, Installation DC & DR Server**

100% payment shall be released within 30 days after Supply, Installation and acceptance of the complete DC & DR Server for SAP ERP System duly certified by the Engineer-in-charge of PDIL, on the invoice.

7.1.1 The above payments shall be released subject to submission of Security cum Performance Guarantee / Security Deposit, **if applicable**, as mentioned herein below, failing which the same amount shall be deducted from the Supplier's Bill(s).

### 7.2 **For One year Comprehensive Onsite OEM Warranty Support**

100% quarterly payment shall be released within 30 days of submission of invoice duly certified by Engineer In Charge of PDIL. The quarterly bills shall be submitted by the contractor with all necessary documents to the Operator of the Contract.

7.3 All payments will be made by account payee cheque or direct transfer in bank account through RTGS.

7.4 Tax deduction at source: Income tax, as applicable as per income tax act, shall be deducted at source from the Supplier's bills and a certificate towards this deduction shall be issued to the Supplier.

## 8.0 **Warranty/ Guarantee**

'**Comprehensive Onsite OEM Warranty Support** including Services of Engineer(s) to be deputed by the OEM / Contractor at site to attend and rectify the fault on 24 x 7 basis' for all Hardware/ software items supplied & Installed as listed at Sl.No. 1 to 6.15 of Scope of Work (Annexure-VIII) for (01) one year period from the date of Installation of complete DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office).

## 9.0 **Security cum Performance Guarantee/Security Deposit**

Security cum Performance Guarantee/ Security Deposit shall be applicable for P.O value more than Rs. 2.00 lakh.

9.1 Security cum Performance Guarantee / Security Deposit for an amount equivalent to 10% of P.O value shall be submitted within 15 days of issuance of P.O, in the form of Demand Draft (DD)/Banker's Cheque. The same shall be valid to cover delivery/completion period plus warranty/guarantee period, if any.

Bank Guarantee (BG) for Security cum Performance Guarantee/ Security Deposit shall be entertained for value  $\geq$  Rs 1.00 lac. PBG shall be valid to cover delivery/completion period plus Comprehensive Onsite OEM Warranty Support plus three (03) months claim period thereafter PBG shall be issued by any Scheduled Commercial Bank. Format of PBG is enclosed herewith at Annexure-VII.

In the absence of submission of Security cum Performance Guarantee/ Security Deposit, the equivalent amount after adjustment of EMD amt., if any, shall be adjusted from the bills.

- 9.2 ~~In the case, where OEM's Guarantee/Warranty is applicable, as performance Guarantee, EMD shall be retained as Security Deposit which shall be refunded after 30 days on receipt and acceptance of Equipment/ Material(s).~~
- 9.3 No interest shall be payable on Security cum Performance Guarantee /Security Deposit.
- 9.4 PDIL, however, reserves the right to en-cash / forfeit the Performance Guarantee / Security Deposit, if the Supplier fails to execute the P.O and/or abide by all the terms and conditions of the P.O.
- 9.5 ~~Performance Guarantee / Security deposit shall be refunded after 30 days of completion of Guarantee / Warranty period / completion of delivery contract period on the certification of Engineer In Charge for due fulfilment of the contractual obligations and after adjusting the expenditure incurred by the owner, if any, on account of any failure on the part of the contractor.~~

#### 10.0 **Price reduction clause**

In the event of delay in delivery/completion beyond contractual delivery/completion period, price reduction @ 0.5% per week or part thereof subject to maximum 5% of total order value shall be recovered from supplier's / Contractor's bill(s).

#### 11.0 **Insurance**

Necessary insurance(s) to cover accident risk for his employees loss of life, material etc. to crew or the third party to be arranged by supplier at his cost.

#### 12.0 **Statutory obligation and Safety Rules**

The Contractor will have to follow all safety rules and measures during contract period and will be fully responsible for implementing rules, obligations and statutory provisions of government and all the consequences in the event of any eventuality.

The Contractor shall be responsible to observe and comply with all statutory requirement including contract labour act 1970, minimum wage act – 1948 and EPF act 1952 etc. including all amendments thereof in vague both of central and state government. PDIL shall be kept indemnified against any action brought against it or any violation / non –compliance of any act /acts, all expenses for compliance of above acts and regulations shall be borne by the contractor.

The Contractor shall comply with at his cost all safety norms such as Fire and Safety regulation act as applicable at site.

The Contractor shall be responsible for all risk involved in respect of their personnel and material at site and arrange proper insurance coverage at his cost.

Personnel deployed should be medically fit to work should posses good conduct and should have no past criminal record and shall maintain high standard discipline, decency and decorum. PDIL reserves the right at its sole discretion to ask for replacement of any person employed by the contractor.

#### 13.0 **Termination**

In the event of unsatisfactory performance, PDIL reserves right to cancel part or whole of the order / contract and make alternate arrangement at any time during currency of contract on risk & costs of contractor and / or forfeit security deposit

#### 14.0 **Force Majeure**

The act of God, epidemic, wars, revolution, and official strike shall be treated as force majeure condition. In event of occurrence of such condition neither party shall be responsible for delay in performance provided that it is notified within 07 days of its occurrence. The Supplier shall provide justification by documentation countersigned by the local chamber of commerce.

## 15.0 **Arbitration**

All cases of dispute arising during execution of contract shall be resolved by mutual discussion of parties operating the Contract. In the event of failure to do so, matter will be settled as per Arbitration and Conciliation Act, 1996, as amended from time to time.

However, wherever applicable, in case of settlement of commercial disputes between PSEs inter SE and PSE(s) and Government Department(s), the same shall be settled through Permanent Machinery of Arbitrators (PMA) setup in the Department of Public Enterprises(DPEs) as per the following Clause:

“In the event of any dispute or difference relating to the Interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either party for Arbitration to the sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, when so authorized by the Law Secretary, whose decision shall bind the Parties finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator”.

The performance under this contract, shall not stop for any reason, whatsoever, during the said dispute / proceedings, unless the service provider is specifically directed by PDIL to desist from working in this behalf.

## 16.0 **Jurisdiction**

The P.O shall be deemed to have been entered into at Noida/Vadodara/Sindri, for PDIL's different Unit, as the case may be and all cases of action in relation to the P.O shall, therefore, be deemed to have been assigned within its jurisdiction for respective Unit/location.

**ANNEXURE –IV****Check List**

(Bidder must confirm point by point and strike out whichever is not applicable)

**Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software  
at PDIL Noida & Vadodara**

Name of Bidder:

Offer No.:

Sl. No.	Description	Bidder's Confirmation/ Acceptance/ Comments
1.0	Price: Firm, Duly delivered, installed and accepted at PDIL as per Clause 3.0 of Annexure-III	Confirmed
2.0	Validity of Offer: 90 days from Technical Bid Opening Date	Confirmed
3.0	<b>Price Confirmation Copy</b> - A copy of Priced offer keeping price blank (hiding the price) and in place indicating "Quoted" or "√", as a confirmation of price quoted against the enquired item and all applicable Taxes & Duties, shall be submitted.	Submitted
4.0	Delivery Period: The delivery of the material including installation and acceptance at PDIL Noida and PDIL Vadodara as per Scope of Work, shall be completed within 03 Months from the effective date of LOI/PO.	Accepted
5.0	Payment Terms: As per clause 7.0 of Annexure-III of ITB.	Accepted
6.0	Price reduction clause: As per Clause 10.0 of Annexure-III of ITB	Accepted
7.0 (A)	Whether the Company is registered as MSE (Micro & Small Enterprises). If "Yes" indicate the registration No. and enclose a copy of Registration Certificate	
(B)	Whether the M S E Company is owned by SC / ST (Yes / No)	
8.0	Copy of PAN card	Submitted
9.0	Copy of GST Registration Certificate	Submitted
10.0	Name, Designation, email id, Telephone Nos. & Fax No. of Contact Person For this enquiry (please fill right side)	

It is confirmed that in case any of the terms and conditions mentioned in this summary are at variance with those indicated anywhere else in our offer; the condition indicated in his summary shall prevail.

Signature of Bidder:

Name:

Stamp:

Date :

**Note:** Bidder must ensure that all the above information and documents (duly signed and stamped) are furnished along with the Technical Bid.

**ANNEXURE –V****Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software at PDIL Noida & Vadodara****Schedule of Rates (SOR)**

Bidder's Name:

Offer No.:

Dated:

Sl. No.	Description	HSN / SAC Code	U/M	Total Lumpsum Price (Rs.)	GST <b>Extra</b> on Total Lumpsum Price
1.0	Supply & Installation of DC/DR SERVERS and SAN Switches including Hardwares & Softwares etc. at PDIL Noida & Vadodara. Detailed Scope of Work shall be as per Annexure-VIII.		<b>Lumpsum</b>		@.....%
2.0	'Comprehensive Onsite OEM Warranty Support including Services of Engineer(s) to be deputed by the OEM/ Contractor at site to attend and rectify the fault on 24 x 7 basis' for all Hardware/ software items supplied & Installed as listed at Sl.No. 1 to 6.15 of Scope of Work (Annexure-VIII) for (01) one year period from the date of Installation of complete DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office) .		<b>Lumpsum</b>		@.....%

**Note:**

- I. Bidders are required to quote their rate strictly as per above format.
- II. Un-priced copy of this "SOR" keeping price blank (hiding the price) and in place indicating "Quoted" or "√", as a confirmation of price quoted against the enquired item(s) and all applicable Taxes & Duties (in %), shall be submitted along with un-priced Techno-commercial Bid in **Envelope–B.**
- III. Price Evaluation of Bids shall be done considering the quoted prices, by the bidders in the 'SOR', along with taxes and duties and bidder shall be selected for award on overall lowest rate quoted considering input Tax Credit on account of GST.

Signature of Bidder  
Co's Name and Address  
Date & Stamp

**Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software  
at PDIL Noida & Vadodara**

**Format of Details for payment**

Bidders are required to submit the following details on the company's **letter head** for online transfer to amount to their account:

1.0		Contractor Name / Company Name	
		Address:	
		Phone No.	
		E-mail ID	
2.0	a.	Name of the Bank	
	b.	Address of the Branch	
	c.	Telephone No.	
	d.	9 Digit Code number of the Bank and Branch appearing on the MICR Cheque issued by the Bank	
	e.	11 Digit NEFT/IFSC Code of the Bank Branch	
	f.	Account Type (SB/CC/CA)	
	g.	Bank Account No.(as appearing on the Cheque)	
	h.	Permanent Account Number (PAN) Under Income Tax Act.	
	i.	GST Registration Number	
	j.	Name of Authorized Signatory	
	k.	Contact Person Name	

We hereby declare that the particulars given above are correct and complete

Authorized signatory of the bidder

Title  
Designation  
Date:

**ANNEXURE-VII**

**Supply & Installation of DC/DR SERVERS and SAN Switches including Hardware & Software  
at PDIL Noida & Vadodara**

(Self Declaration on Bidder's Letter Head as per below Performa)

**DECLARATION**

To ,

Projects and Development India Lid.

Noida – 201301

**Subject : ITB No. ....Dt. ....**

Sir ,

We hereby declare that M/s ..... is neither put on Holiday nor Black-listed by any  
Government / PSU / Private firm or Financial Institution .

Signature

Name:

Designation:

Seal of the Bidder



## Annexure-IX

**BANK GUARANTEE FOR EARNEST MONEY DEPOSIT  
(BID BOND)**

(REQUISITE STAMP TO BE PURCHASED ON NAME OF BANK)

In consideration of \_\_\_\_\_  
(Purchaser) having its registered office at CIFT buildings , PO: SINDRI , Dist-  
Dhanbad , Jharkhand – 828122 (hereinafter called "the company" which  
expression shall unless repugnant to the subject or context includes its  
successors and assigns) having agreed to exempt m/s.  
\_\_\_\_\_ (bidder) (hereinafter called 'the said  
tenderer(s)' which expression shall unless repugnant to the subject or  
context includes his successors and assigns) from the demand under the  
terms \_\_\_\_\_ and \_\_\_\_\_ conditions \_\_\_\_\_ of tender  
no \_\_\_\_\_ for \_\_\_\_\_  
\_\_\_\_\_ (hereinafter called " the said tender" of such bid security  
deposit for the due fulfilment by the said tenderer(s) of the terms and  
conditions contained in the said tender on production of bank  
guarantee for `US \$ \_\_\_\_\_ (Rupees / US dollar  
\_\_\_\_\_ only).

We \_\_\_\_\_ (the bank) hereinafter  
referred to as 'the bank' do hereby undertake to pay to the company an  
amount not exceeding ` US \$ \_\_\_\_\_ (rupees/ us  
dollar \_\_\_\_\_ only) against any loss or damage caused to or  
suffered by the said company by reason of any breach by the said tenderer(s)  
of any of the terms and conditions contained in the said tender. The decision  
of the company as to any such breach having been committed and loss  
suffered shall be binding on us.

2. We \_\_\_\_\_ bank do hereby undertake to pay the  
amounts due and payable under this guarantee without any demur merely  
on a demand from the company stating that the amount claimed is due by  
way of loss or damage caused to or would cause to or suffered by the  
company by reason of any breach by the said tenderer(s) of any of the  
terms or conditions contained in the said tender or by reason of the said  
tenderer's failure to keep the tender open. Any such demand made on  
the bank shall be conclusive as regards the amount due and payable by the  
bank under this guarantee. However, our liability under this guarantee shall be  
restricted to an amount not exceeding \_\_\_\_\_ (Rs/US  
dollar \_\_\_\_\_ only).
- 3 We (the bank) further agree that the guarantee herein contained shall  
remain in full force and effect during the period that would be taken for the  
finalisation of the said tender and that it shall continue to be enforceable till  
the said tender is finally decided and order placed on the successful  
tenderer and/or till all the dues of the company under/or by virtue of the  
said tender have been fully paid and its claims satisfied or discharged

or till a duly authorised officer, of the company certified that the terms and conditions of the said tender have been fully and properly carried out by said tenderer(s) and accordingly discharges the guarantee.

4. Unless previously cancelled by the company, this indemnity will remain in force up to \_\_\_\_\_ months from date of issue of \_\_\_\_\_ the \_\_\_\_\_ guarantee i.e \_\_\_\_\_ up to \_\_\_\_\_ and will stand automatically cancelled on the expiry of the said period than contemplated hereunder. unless demand or claim under this guarantee is made on bank in writing within three (03) months from the date of the expiry of this guarantee, all the rights of the company against as hereunder shall be forfeited and bank shall be relieved and discharged from all liabilities hereunder.
5. The Bank hereby declares that it has the power to issue this guarantee and the undersigned has full power to do so.

Dated \_\_\_\_\_ day of \_\_\_\_\_ 200.

Corporate seal \_\_\_\_\_ for \_\_\_\_\_ bank.

**Annexure-X**

**SECURITY CUM PERFORMANCE BANK GUARANTEE  
(STAMP PAPER TO BE PURCHASED ON NAME OF BANK)**

This guarantee made this \_\_\_\_\_ day of \_\_\_\_\_ (Year in four digits) between a company incorporated in (mention name of the Bank/company) \_\_\_\_\_ having its registered office at \_\_\_\_\_ (hereinafter called the "BANK" which expression shall unless repugnant to the context or contrary to the meaning thereof include its successors and assigns) of the one part; and M/s. \_\_\_\_\_ (Purchaser), a company incorporated in India under the Indian Companies Act 1956 and having its registered office at PDIL Bhawan , A-14 , Sector-1 , Noida – 201301, Dist. – Gautambudh Nagar (U.P) (hereinafter called the "PURCHASER" which expression shall include its successors and assigns) of the other part.

WHERE AS M/s \_\_\_\_\_ (Seller) a Company incorporated in \_\_\_\_\_ and having its Registered Office at \_\_\_\_\_ (hereinafter called the "COMPANY" which expression shall include its successor and assigns) have secured order Number \_\_\_\_\_ dt. \_\_\_\_\_ For supply/ supply-cum-erection of \_\_\_\_\_ at a total cost of \_\_\_\_\_ plus site supervision services on per diem rate basis as applicable from the PURCHASER / OWNER.

**WHEREAS**

1. It is one of the terms of the said order that the COMPANY shall furnish to the PURCHASER/OWNER a guarantee of a BANK which shall be for 10% of the value of the order and shall be valid for the duration of supply of the services covered by the said order and the period of defects liability in respect of the said services plus claim period of six months.
2. The BANK has at the request of the COMPANY agreed to give in favour of the PURCHASER a guarantee in manner hereinafter appearing which the PURCHASER has agreed to accept.

**NOW THIS DEED WITNESSETH AS FOLLOWS:-**

1. In pursuance of the said agreement and in consideration of the premises the BANK hereby unconditionally guarantees to the PURCHASER due observance and fulfillment by the COMPANY of the terms of the said order relating to the said equipment and of the performance warrantees which is a part of the said order and agrees and undertakes that if the COMPANY fails to observe and fulfil the said terms of the said order and/or the performance warrantees then the BANK shall immediately pay to the PURCHASER on demand such sum or sums of money to the extent of ` \_\_\_\_\_ being 10% of the value of the said order on account of losses and damages suffered by the PURCHASER as may be claimed by the PURCHASER by reason of such non-observance and non-fulfillment by the company as aforesaid and shall also indemnify


the PURCHASER against all losses and damages which may be suffered by the PURCHASER aforesaid and against all costs, charges, expenses which may be incurred by the PURCHASER in connection herewith.

2. The BANK hereby agrees that the decision of the PURCHASER as to the failure on the part of the COMPANY to fulfil their obligations as aforesaid and/or as to the amount payable by the BANK to the PURCHASER hereunder shall be final, conclusive and binding on the BANK.
3. All compensations and payments received by the PURCHASER from Bank on behalf of the COMPANY shall be regarded as payments in gross and in the event of the COMPANY BEING wound-up, the PURCHASER will be entitled to prove against the properties of the COMPANY in respect of the whole of the COMPANY's indebtedness to the PURCHASER without any right on the part of the BANK to stand in the PURCHASER's place in respect of or to claim the benefits of such imposition and payment or any security held by the PURCHASER until the PURCHASER shall have received the full amount of the PURCHASER's claims against the COMPANY.
4. This guarantee shall be in addition to and shall not affect or be affected by any other security now or hereafter held by the PURCHASER on account of the moneys hereby intended to be secured and the PURCHASER at its discretion and without any further consent from the BANK and without affecting the liability of the BANK and the rights of the PURCHASER against the BANK may be compound within given time or other indulgence to or make any other arrangement with the COMPANY and nothing done or omitted to be done by the PURCHASER in pursuance of any authority or permission contained in the guarantee shall affect or discharge the liability of the BANK.
5. Though as between the COMPANY and the BANK, the BANK is SURETY only, the BANK agrees that as between the PURCHASER and the BANK, the BANK is principal debtor to the PURCHASER.
6. This guarantee shall not be affected by any change in the constitution of the BANK or the COMPANY nor shall this guarantee be affected by any change in the constitution of the PURCHASER or any amalgamation or absorption with any other body corporate and this guarantee will be available to or enforceable by such body corporate.
7. The guarantee shall be continuing guarantee and continue to be in force notwithstanding the discharge of the COMPANY by operation of law and shall cease only on payment in full to the PURCHASER by the BANK of the amount hereby guaranteed and on the claim of the PURCHASER against the COMPANY on any account whatsoever being satisfied.
8. In order to give full effect to the provisions of this guarantee the PURCHASER will be entitled to act as if the BANK were the principal debtor to the PURCHASER and the BANK hereby waives all or any of its rights as surety.

9. This guarantee is irrevocable except with the written consent of the PURCHASER.
10. This guarantee shall remain valid up to \_\_\_\_\_.
11. Any notice by way of request demand or otherwise hereunder may be sent by post to the BANK addressed as aforesaid and if sent by post it shall be deemed to have been given at the time when it would be delivered in due course of post and in proving such notice when given by post it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of the PURCHASER that the envelope so posted shall be conclusive.
12. These presents shall be governed by and construed in accordance with Indian Law.
13. Notwithstanding anything stated above, the BANK's liability to the PURCHASER under this guarantee shall be limited to \_\_\_\_\_ and the guarantee will remain valid up to \_\_\_\_\_ provided that unless a claim under this guarantee is made by the PURCHASER against the BANK within three (03) months of the said date of expiry of this guarantee, the claim shall be forfeited and the BANK shall be relieved and discharged from all liabilities under this guarantee.

IN WITNESS whereof the BANK has hereunto affixed its common seal the day and year first above written.

THE COMMON SEAL OF THE ABOVE NAMED BANK has hereunto been affixed in the presence of

	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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## Scope Of Work

For

### Supply and Installation of DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)

*Jagdish Mehta Mehta*

1	20.04.2018	20.04.2018	ISSUE FOR ENQUIRY	SJ	MJS	MJS
0	16.03.2018	16.03.2018	ISSUE FOR ENQUIRY	SJ	MJS	MJS
<b>REV</b>	<b>REV DATE</b>	<b>EFF DATE</b>	<b>PURPOSE</b>	<b>PREPD</b>	<b>REVWD</b>	<b>APPD</b>

	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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## 1.0 OBJECTIVE OF THE REQUEST FOR TENDER

The Existing ERP Servers were procured in the year 2010 on turn key basis and M/s HCL Technologies were the successful Bidder to whom the contract was awarded for SAP ERP implementation at PDIL for all locations.

It may be pertinent to mention that on 08.02.2011, SAP ERP was made operational at all location of PDIL within record span of 10 month period by implementing all NINE Modules of SAP ERP.

ERP Modules covered for implementation on at PDIL:

- HR(Human Resource)
- PM (Plant Maintenance)
- PS(Project Management)
- FICO(Finance)
- SD(Business Development)
- QM(Inspection Department)
- DMS(Document Management System)
- BI(Business Intelligence)
- MM(Materials Management)

Comprehensive maintenance contract for all SAP ERP SERVERS by original equipment supplier M/s ORACLE, including SAP ERP Support services contract by M/s HCL are presently expiring from 01.04.2018.

**In line with its Disaster Recovery(DR) implementation plan for PDIL, PDIL proposes to get Supply and Installation of DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office).**


**Note:** Existing SAP ERP SERVERS installed at PDIL Noida shall run upto the last cut of date till our entire DC & DR SERVERS are installed at PDIL Noida & Vadodara.

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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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The intent of this Notice Inviting Tender (NIT) is to seek tenders from prospective bidders for Supply and Installation of DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office).

**The successful bidder has to own the entire responsibility of making the system operational. The bidder has to demonstrate successful operation of the entire system as envisaged in the objectives mentioned above. PDIL's obligations will be limited to providing adequate space and power. Bidders are required to include all items and accessories required to make the system complete and operational in their offer.**

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## 2.0 SCOPE OF REQUIREMENTS


### 3.0 Supply & Installation of the followings DC/DR SERVERS and SAN Switches including Hardwares & softwares etc. at PDIL Noida & Vadodara :

Line Number	Part Number	Part Description	Quantity
		<b>DC SERVERS, ERP, BU, PROD, SM</b>	
1	7113718	SPARC T8-1 server: model family	2
1.1	7113714	SPARC T8-1 server: base with 1 SPARC M8 32-core 5.0 GHz processor (for factory installation)	2
1.2	7114454	One 32 GB DDR4-2400 registered DIMM (for factory installation)	16
1.3	7111107	One 1.2 TB 10000 rpm 2.5-inch SAS-3 HDD with marlin bracket (for factory installation)	8
1.4	SE6Y9MF1Z	Filler panel for disk drives (for factory installation)	8
1.5	7101673	Sun Storage Dual 16 Gb Fibre Channel PCIe Universal HBA, Qlogic (for factory installation)	4
1.6	1109A-Z	Sun Dual 10GbE SFP+ PCIe Low Profile Adapter	4
1.7	2129A	Sun 10Gbps Dual Rate SFP+ SR	8
1.8	7101675	2 Sun Storage 16 Gb FC short wave optics, Qlogic (for factory installation)	4
1.9	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	4

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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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1.1	7114063	Oracle Solaris with fallback-boot image and Oracle VM Server for SPARC preinstall (for factory installation)	2
1.11	B61304	Oracle Standard System Installation Service, Site Audit: Servers - Group II	2
1.12	B59411	Hardware Freight Fee	2
<b>ERP, BI, DEV, QA DEV</b>			
2	7112914	SPARC S7-2L server: model family	1
2.1	7112875	SPARC S7-2L server: base with 2 SPARC S7 8-core 4.27 GHz processors (for factory installation)	1
2.2	7112886	Eight 2.5-inch SAS-3 drive cage (for factory installation)	1
2.3	7112909	One 32 GB DDR4-2400 DIMM (for factory installation)	8
2.4	7111102	One 600 GB 10000 rpm 2.5-inch SAS-3 HDD with marlin bracket (for factory installation)	4
2.5	6331A-N	2.5-inch HDD filler panel (for factory installation)	4
2.6	7101673	Sun Storage Dual 16 Gb Fibre Channel PCIe Universal HBA, Qlogic (for factory installation)	2
2.7	1109A-Z	Sun Dual 10GbE SFP+ PCIe Low Profile Adapter	2
2.8	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
2.9	7114240	Oracle Solaris with fallback-boot image and Oracle VM Server for SPARC preinstall (for factory installation)	1
2.1	7102748	PCIe filler panel (for factory installation)	2

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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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2.11	7113249	Oracle Storage 12 Gb SAS PCIe HBA, internal (for factory installation)	1
2.12	7101675	2 Sun Storage 16 Gb FC short wave optics, Qlogic (for factory installation)	2
2.13	2129A	Sun 10Gbps Dual Rate SFP+ SR	4
2.14	7114234	Cable management arm (for factory installation)	1
2.15	B61304	Oracle Standard System Installation Service, Site Audit: Servers - Group II	1
2.16	B59411	Hardware Freight Fee	1
		<b>UNIFIED STORAGE</b>	
3	7112311	Oracle ZFS Storage ZS5-2 appliance (top-level PTO model)	1
3.1	7112312	Oracle ZFS Storage ZS5-2: model family	1
3.1.1	7112310	Oracle ZFS Storage ZS5-2: controller	1
3.1.2	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
3.1.3	5394A	PCIe filler panel (for factory installation)	4
3.1.4	7111036	One 16 GB DDR4-2133 DIMM (for factory installation)	24
3.1.5	7113645	Cable: 3 meters, mini SAS HD to mini SAS HD (for factory installation)	4
3.1.6	B61971	Oracle Standard System Installation Service, Without Site Audit: Storage Disk - Group III	1
3.1.7	B59411	Hardware Freight Fee	1
3.2	7112312	Oracle ZFS Storage ZS5-2: model family	1
3.2.1	7112310	Oracle ZFS Storage ZS5-2: controller	1
3.2.2	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
3.2.3	5394A	PCIe filler panel (for factory installation)	4

1	20.04.2018	20.04.2018	ISSUE FOR ENQUIRY	SJ	MJS	MJS
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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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3.2.4	7111036	One 16 GB DDR4-2133 DIMM (for factory installation)	24
3.2.5	7113645	Cable: 3 meters, mini SAS HD to mini SAS HD (for factory installation)	4
3.2.6	B59411	Hardware Freight Fee	1
3.3	7113150	Oracle Storage Drive Enclosure DE3-24P: model family	1
3.3.1	7113126	Oracle Storage Drive Enclosure DE3-24P: base chassis (for factory installation)	1
3.3.2	7111107	One 1.2 TB 10000 rpm 2.5-inch SAS-3 HDD with marlin bracket (for factory installation)	20
3.3.3	7113122	One 2.5-inch eMLC SAS SSD write flash accelerator with marlin bracket (for factory installation)	4
3.3.4	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
3.3.5	7113644	Cable: 1 meter, mini SAS HD to mini SAS HD (for factory installation)	2
3.3.6	B61473	Oracle Standard System Installation Service, Basic: Storage Disk - Group I	1
3.3.7	B59411	Hardware Freight Fee	1
		<b>TAPE LIBRARY</b>	
4	7101764	StorageTek SL150 modular tape library: model family	1
4.1	7114334	StorageTek SL150 modular library system: base with 30 activated cartridge slots, 1 IBM LTO7 half-height 8 Gb FC tape drive without Oracle Key Manager compatibility, and rackmounting kit	1
4.2	7114335	StorageTek LTO tape drive: 1 IBM LTO7 8 Gb FC without Oracle Key Manager compatibility for StorageTek SL150 (for factory installation)	1
4.3	7101769	StorageTek SL150 modular tape library: power supply (for factory installation)	1

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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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4.4	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
4.5	B61983	Oracle Standard System Installation Service, Without Site Audit: Storage Tape - Group III	1
4.6	B61977	Oracle Standard System Installation Service, Basic: Storage Tape - Group I	1
4.7	B59411	Hardware Freight Fee	1
		<b>SAN SWITCHES</b>	
5	7111726	Brocade 6505 Fibre Channel Switch: model family	2
5.1	7111716	Brocade 6505 Fibre Channel Switch with twelve 16 Gb activated ports and 12 short wave SFPs	2
5.1.1	B59411	Hardware Freight Fee	2
5.2	7111717	Brocade 5100 Series Fibre Channel Switch and Brocade 6500 Series Fibre Channel Switch: integrated power supply and fan, port side exhaust air flow	2
5.2.1	B59411	Hardware Freight Fee	2
5.3	X333A-25-10-IN-N	Pwrcord,India,2.5m,IS1293,10A,C13	4
5.3.1	B59411	Hardware Freight Fee	4
5.4	7103770	Brocade rack rail kit, supports 17.23 inches switches	2
5.4.1	B59411	Hardware Freight Fee	2
5.5	7111719	Brocade 6505 Fibre Channel Switch: activation permit for twelve ports with 16 Gb short wave SFPs	2
5.5.1	B59411	Hardware Freight Fee	2
5.6	B62001	Oracle Standard System Installation Service, Without Site Audit: Switches - Group II	2

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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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		<b>DR SERVER</b>	
6	7112914	SPARC S7-2L server: model family	1
6.1	7112875	SPARC S7-2L server: base with 2 SPARC S7 8-core 4.27 GHz processors (for factory installation)	1
6.2	7112886	Eight 2.5-inch SAS-3 drive cage (for factory installation)	1
6.3	7112909	One 32 GB DDR4-2400 DIMM (for factory installation)	8
6.4	7111107	One 1.2 GB 10000 rpm 2.5-inch SAS-3 HDD with marlin bracket (for factory installation)	8
6.5	7101673	Sun Storage Dual 16 Gb Fibre Channel PCIe Universal HBA, Qlogic (for factory installation)	2
6.6	1109A-Z	Sun Dual 10GbE SFP+ PCIe Low Profile Adapter	2
6.7	333A-25-10-IN	Power cord: India, 2.5 meters, IS1293 plug, C13 connector, 10 A (for factory installation)	2
6.8	7114240	Oracle Solaris with fallback-boot image and Oracle VM Server for SPARC preinstall (for factory installation)	1
6.9	7102748	PCIe filler panel (for factory installation)	2
6.1	7113249	Oracle Storage 12 Gb SAS PCIe HBA, internal (for factory installation)	1
6.11	7101675	2 Sun Storage 16 Gb FC short wave optics, Qlogic (for factory installation)	2
6.12	2129A	Sun 10Gbps Dual Rate SFP+ SR	4
6.13	7114234	Cable management arm (for factory installation)	1
6.14	B61304	Oracle Standard System Installation Service, Site Audit: Servers - Group II	1
6.15	B59411	Hardware Freight Fee	1


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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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7		<b>‘Comprehensive Onsite OEM warranty Support including Services of Engineer(s) to be deputed by the OEM/ Contractor at site to attend and rectify the fault on 24 x 7 basis’ for all Hardware /software items supplied &amp; Installed as listed at sl.no. 1 to 6.15 above for (01) one year period from the date of Installation of complete DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office) .</b>	1
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	<b>Scope Of Work For Supply and Installation of DC &amp; DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office)</b>	PNERP/1/18/2018	1
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**TERMS & CONDITIONS**

- Entire job of Supply and Installation of Entire DC & DR SERVERs for SAP ERP System (DC SERVER to be installed at PDIL, Noida and DR SERVER to be installed at PDIL, Vadodara Office) has to be completed within 3 months of issue of Purchase order by PDIL.
- Hardware/Softwares fault in SAP ERP SERVERS at respective location shall be resolved on top most priority as per Comprehensive Onsite OEM warranty Support including Hardwares/softwares etc. and deputation of OEM/Bidders Engineers at Site to attend and rectify the fault on 24 x 7 basis for all the items listed at sl.no. 1 to 6.15 above .
- PDIL reserves the right to accept/reject any quotation without assigning any reason thereof and its decisions shall be final and binding to the Bidders.
- Existing SAP ERP SERVERS (Development, Quality , Production ) has been configured under Solaris operating system and Solution Manager has been configured under Windows Server 2008 operating system. Production SERVER on Node A and Node B has been configured under cluster mode in such a way that if Production SERVER on one node fails then another Production SERVER on another node operate instantly without any manual intervention. JAVA and Business Intelligence are configured in Development, Quality & Production SERVERS.
- Proposed new SAP ERP SERVERS (Development, Quality , Production ) has to be configured under Solaris operating system and Solution Manager has also to be configured under Solaris operating system. Production SERVER on Node A and Node B has to be configured under cluster mode in such a way that if Production SERVER on one node fails then another Production SERVER on another node operate instantly without any manual intervention. JAVA and Business Intelligence are configured in Development, Quality & Production SERVERS.
- Solution Manager has to be installed at DR site in such a way that if Solution Manager at DC SERVER fails then we may operate DR Site Solution Manager without any manual intervention.
- Bidder has to do the installation of Entire DC/DR SERVERS with approval of PDIL so that our Entire Existing SAP ERP SERVERS operation does not get affected as we are running our entire Existing SAP ERP SERVERS on 24 x 7 Basis.

S. Jaghl *मानवत मानवत*

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## Annexure A

## SAP/ERP HARDWARE/SOFTWARE available with PDIL

Description	Qty.
<b>ERP, BI Production &amp; DMS: SE T5240(2 x 1.6GHz x 8 Core UT2+ CPU, 96GB RAM, 4 x 300GB SAS HDDs)- 2 Nos.</b>	
SE T5240 BASE 2x8CR 1.6GHZ	2
Sun SW Preinstall 05/09 S10U7	2
Solaris 10 10/09 Media Kit	2
SE T5240 MEM MEZZ KIT	2
SE 8GB FBDIMM(2*4GB), 1.5V	16
SE T5x20 CABLE MGT ARM	2
NORTH AMERICAN/ASIA PWRCD RoHS	4
SE 4GB FBDIMM(2*2GB), 1.5V	16
PCI-E 4Gb FC Dual Port HBA	4
Sun Quad GbE x8 PCIe card UTP	4
SE T5240 8DISK HDD BKPLN	2
SE 300GB 10K 2.5 SAS HDD	8
SE T5xx0 DVD, 8X, RW	2
SE T5240 AC PSU 1100W	4
Hard Disk Filler Panel	8
SE T5x20 EXPRESS RAIL KIT	2
SE T5240 STD LABEL	2
SE Shipping box 2U AC PSUs	2
<b>Cluster Components</b>	
SC 3.2 ent SP Ent T5140, T5240	2
SC agent lic x HA Oracle	2
SC Ag Lic x SAP Enqueue	2
Sun Cl Agt Lic HA Sol Contain	5
OPT SM NULL ENET CABLE	4
<b>ERP &amp; BI Dev: SE T5240(2 x 1.6GHz x 8 Core UT2+ CPU, 32GB RAM, 4 x 146GB SAS HDDs</b>	
SE T5240 BASE 2x8CR 1.6GHZ	1
Sun SW Preinstall 05/09 S10U7	1
SE 4GB FBDIMM(2*2GB), 1.5V	8
SE T5x20 CABLE MGT ARM	1
NORTH AMERICAN/ASIA PWRCD RoHS	2
PCI-E 4Gb FC Single Port HBA	2
SE T5240 8DISK HDD BKPLN	1
SE 146GB 10K RPM 2.5" SAS	4
SE T5xx0 DVD, 8X, RW	1
SE T5240 AC PSU 1100W	2
Hard Disk Filler Panel	4
SE T5x20 EXPRESS RAIL KIT	1
SE T5240 AIR DUCT	1
SE T5240 STD LABEL	1
SE Shipping box 2U AC PSUs	1

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<b>ERP &amp; BI QA &amp; Backup: SE T5240(2 x 1.6GHz x 8 Core UT2 + CPU, 32GB RAM, 6 x 146GB SAS HDDs)</b>	
SE T5240 BASE 2x8CR 1.6GHZ	1
Sun SW Preinstall 05/09 S10U7	1
SE 4GB FBDIMM(2*2GB), 1.5V	8
SE T5x20 CABLE MGT ARM	1
NORTH AMERICAN/ASIA PWRCD RoHS	2
Sun PCI-E Dual Gige UTP	1
PCI-E 4Gb FC Dual Port HBA	2
SE T5240 8DISK HDD BKPLN	1
SE 146GB 10K RPM 2.5" SAS	6
SE T5xx0 DVD, 8X, RW	1
SE T5240 AC PSU 1100W	2
Hard Disk Filler Panel	2
SE T5x20 EXPRESS RAIL KIT	1
SE T5240 AIR DUCT	1
SE T5240 STD LABEL	1
SE Shipping box 2U AC PSUs	1
<b>Solution Manager: SF x4270(2 x 2.53GHz Quad Core CPU, 16GB RAM, 2 x 146GB SAS HDDs)</b>	
X4270 1 x Standard PSU	1
Win Sv 2008 Ent 32&64bit+25CAL	1
Cable Management Arm	1
NORTH AMERICAN/ASIA PWRCD RoHS	2
DVD+/-RW SATA-based drive ATO	1
146GB 10K RPM 2.5" SAS disk	2
PCI-E 4Gb FC Dual Port HBA	1
8-port Internal SAS HBA	1
1 x Intel Xeon E5540 (2.53GHz)	2
AC PSU 1050W	1
2GB (1 x 2 GB) DDR3-1333	8
Drive Bay Filler Panel	14
Tool-less Slide Rails	1
DIMM slot filler panel	10
X4270 X4275 CPU Heatsink XATO	2
Media and Doc kit for X4170	1
<b>SAN Router: SF x4170(1 x 2.26Ghz Quad Core CPU, 4GB RAM, 2 x 146GB SAS HDDs)</b>	
X4170 1 x Standard PSU	1
Win Sv 2008 Ent 32&64bit+25CAL	1
Cable Management Arm	1
NORTH AMERICAN/ASIA PWRCD RoHS	2
2GB (1 x 2 GB) DDR3-1333	2
1 x Intel Xeon E5520 2.26Ghz	1
DVD+/-RW SATA-based drive ATO	1
146GB 10K RPM 2.5" SAS disk	2
8-port Internal SAS HBA	1
AC PSU 750W	1
X4170,SBX6270 CPU Fillers XATO	1
Drive Bay Filler Panel	6
Tool-less Slide Rails	1
DIMM slot filler panel	16
X4170 CPU Heatsink. XATO.	1
Media and Doc kit for X4170	1
<b>Tape Library SL 48 with two LTo4 FC Drive &amp; 48 slots</b>	
SL48 w/ 1HP LTo4 4GB FC	1
NORTH AMERICAN/ASIA PWRCD RoHS	2
SL48 Power Supply	1
LTO CLEAN CARTS-NO LABEL-5PK	1
LTO4,800GB,JEWL-CASE,HOR-LBL	1

आएनपी

<b>SAN Storage ST 6180 : Dual Raid Controller with 4GB Cache ,20 x 500GB Capacity &amp; 2 x 500GB Hot Spare</b>	
6180-4G4P-DISKLESS-AC	1
CSM200A-0x1-RR-Diskless	1
Sun CSM200 500GB 7K SATA-HDD	22
6x80 CTRL Rack Rails	1
SS6000 42U Rack Kits	1
Tier1(61xx)-Base 8 Domains	1
NORTH AMERICAN/ASIA PWRCD RoHS	4
Netvault Backbone Software Workgroup Edition For Solaris Sparc – 1 (Netvault Backbone Version: 8.50)	1
Netvault Backbone Software – Single Heterogeneous Client 2 (Netvault Backbone Version: 8.50)	1
Backbone Software – Single Heterogeneous Smart Client 2 (Netvault Backbone Version: 8.50)	1
Backbone Software – Oracle Enterprises Edition APM for Solaris Sparc – 2 (Netvault Backbone Version: 8.50)	1
Backbone Software – Dynamically Shared Devices (TM) DSD License 1 + Media Slots (Netvault Backbone Version: 8.50)	1
Cluster 2 SC 3.2 Enterprise SP ENT T5120 , T5240	1
Cluster 2 SC Agent Lic * HA Oracle (Model No : Sparc Enterprise T5240)	1
Cluster 2 SC Agent Lic * SAP Enqueue (Model No : Sparc Enterprise T5240)	1
<b>BOM Sun System</b>	
Part No. Qty Description	
ERP, BI Production & DMS : SE T5240 (2 x 1.6GHz x 8 Core UT2 + CPU, 96GB RAM, x 300GB SAS HDDs) – 2 Nos.	
SEUAE142Z 2 SE T5240 BASE 2X8CR 1.6GHZ	
SESY9SF1Z 2 Sun SW Preinstall 05/09 S10U7	
SOLZ9 – 10LC9A7M 2 Solaris 10 10/09 Media Kit	
SEUY2MM2Z 2 SE T5240 MEM MEZZ KIT	
SESY2C3Z 16 SE 8GB FBDIMM (2*4GB), 1.5V	
SESY9CA1Z 2 SE T5x20 CABLE MGT ARM	
X311L 4 NORTH AMERICAN/ASIA PWRCD RoHS	
SESY2B3Z 16 SE 4GB FBDIMM(2*2GB), 1.5V	
SG-XPCIE2FC-EM4 4 PCI-E 4Gb FC Dual Port HBA	
X4447A-Z 4 Sun Quad GbE x 8 PCIe card UTP	
SEUY9BB2Z 2 SE T5240 8DISK HDD BKPLN	
SESY3G11Z 8 SE 300GB 10K 2.5 SAS HDD	
SESY9DV2Z 2 SE T5xx0 DVD, 8X, RW	
SEUY9PS51Z 4 SE T5240 AC AC PSU 1100W	
SESY9MF1Z 8 Hard Disk Filler Panel	
SESY9RK2Z 2 SE T5x20 EXPRESS RAIL KIT	
SEUY9LS1Z 2 SE T5240 STD LABEL	
SESY9BC1Z 2 SE Shipping box 2U AC PSUs	

सिद्धा

Cluster Components
CLUIS-320-AD29 2 SC 3.2 ent SP Ent T5140, T5240
CLAIS-XXR-9999 2 SC agent lic x HA Oracle
CLAIS-XAI-9999 2 SC Ag Lic x SAP Enqueue
CLAIS-XXZ-9999 5 Sun CI Agt Lic HA Sol Contaln
X3837A 4 OPT 5M NULL ENET
ERP & BI DEV: SE T5240(2 x 1.6GHZ x 8 Core UT2 + CPU, 32GB RAM, 4 x 146GB SAS HDDs)
SFUJAE142Z 1 SE T5240 BASE 2x8CR 1.6GHZ
SESY9SF1Z 1 Sun SW Preinstall 05/09 S10U7
SESY2B3Z 8 SE 4GB FBDIMM(2*2GB) , 1.5V
SESY9CA1Z 1 SE T5x20 CABLE MGT ARM
X311L 2 NORTH AMERICAN/ASIA PWRCD RoHS
SG-XPCIE1FC-EM4 2 PCI-E 4Gb FC Single Port HBA
SEUY9BB2Z 1 SE T5240 8DISK HDD BKPLN
SESY3C11Z 4 SE 146GB 10K RPM 2.5" SAS
SESY9DV2Z 1 SE T5xx0 DVD, 8X, RW
SEUY9PS51Z 2 SE T5240 AC PSU 1100W
SESY9MF1Z 4 Hard Disk Filler Panel
SESY9RK2Z 1 SE T5x20 EXPRESS RAIL KIT
SEUY9AD1Z 1 SE T5240 AIR DUCT
SEUY9LS1Z 1 SE T5240 STD LABEL
SESY9BC1Z 1 SE Shipping box 2U AC PSUs
ERP & BI QA & Backup: SE T5240(2 x 1.6GHZ x 8 Core UT2+ CPU, 32GB RAM, x 146GB SAS HDDs)
SEUAE142Z 1 SE T5240 BASE 2x8CR 1.6Ghz
SESY9SF1Z 1 Sun SW Preinstall 05/09 S10U7
SESY2B3Z 8 SE 4GB FBDIMM(2*2GB), 1.5V
SESY9CA—Z 1 SE T5x20 CABLE MGT ARM
X311L 2 NORTH AMERICAN/ASIA PWRCD RoHS
X7280A-2 1 Sun PCI-E Dual Gige UTP
SG-XPCIE2FC-EM4 2 PCI E 4Gb FC Dual Port HBA
SEUY9BB2Z 1 SE T5240 8DISK HDD BKPLN
SESY3C11Z 6 SE 146GB 10K RPM 2.5" SAS
SESY9DV2Z 1 SE T5xx0 DVD, 8X, RW
SEUY9PS51Z 2 SE T5240 AC PSU 1100W
SESY9MF1Z 2 Hard Disk Filler Panel
SESY9RK2Z 1 SE T5x20 EXPRESS RAIL KIT
SEUY9AD1Z 1 SE T5240 AIR DUCT
SEUY9LS1Z 1 SE T5240 STD LABEL
SESY9BC1Z 1 SE Shipping box 2U AC PSUs
Solution Manager: SF x4270(2 x x.53GHz Quad Core CPU, 16GB RAM, 2 x 146GB SAS HDDs)
X4270-S1-AA 1 X4270 1 X Standard PS
8125A-2 1 Win Sv 2008 Ent 32&64bit+25CAL
X6324A 1 Cable Management Arm
X311L 2 NORTH AMERICAN/ASIA PWRCD RoHS
8325A 1 DVD+/-RW SATA-based drive ATO
RB-SS2CF-146G10K 2 146GB 10K RPM 2.5" SAS disk
SG-XPCIE2FC-FM4 1 PCI-F 4Gb FC Dual Port HBA
SG-PCIE8SAS-I-Z 1 8-port Internal SAS HBA
5863A 1 x Intel Xeon E5540 (2.53GHz)
6328A 1 AC PSU 1050W
5869A 8 2GB (1 x 2 GB)
6331A 14 Drive Bay Filler Panel
X6325A 1 Tool-less Slide Rails
5879A 10 DIMM slot filler panel
5899A 2 X4270 X4275 CPU Heatsink XATO
X5900A 1 Media and Doc kit for X4170
SAN Router: SF x4170(1 x 2.26GHz Quad Core CPU, 4GB RAM, 2 x 146GB SAS HDDs)
X4170-S1 AA 1 X4170 1 x Standard PSU
8125A-2 1 Win Sv 2008 Ent 32&64bit+25CAL
X6324A 1 Cable Management Arm

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22	16PORT DLINK 10/100/1000 SWITCH	DRBSB9B001319	
23	8PORT USB KVM SWITCH	AJ01849	
24	BKB NETVAULT BU SERVER WORKGROUP EDITION (100020-201) FOR SOLARIS (SPARC) PER MACHINE ID MAINTENANCE RENEWAL	81-10-0169	BJS-BKB-PS-R
25	BKB NETVAULT BU SINGLE HETEROGENEOUS CLIENT PER MACHINE ID MAINTENANCE RENEWAL (200010-000)	81-10-0169	BDF-BKB-PS-R
26	BKB SINGLE HETEROGENEOUS SMARTCLIENT PER MACHINE ID MAINTENANCE RENEWAL (200080-000)	81-10-0169	BHD-BKB-PS-R
27	BKB NETVAULT BU DYNAMICALLY SHARED DEVICE OPTION PER DEVICE MAINTENANCE RENEWAL (300290-000)	81-10-0169	BCM-BKB-PS-R
28	BKB 20 MEDIA SLOTS MAINTENANCE RENEWAL (300530-000)	81-10-0169	BGQ-BKB-PS-R
29	BKB 30 MEDIA SLOTS MAINTENANCE RENEWAL (300549-000)	81-10-0169	BGR-BKB-PS-R
30	BKB NETVAULT BU ORACLE APM FOR SOLARIS (SPARC) PER MACHINE ID MAINTENANCE RENEWAL (400310-210)	81-10-0169	BEO-BKB-PS-R

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