India Meteorological Department
Mausam Bhawan, Lodi Road
New Delhi-110003

Tender Enquiry No.CPU/52/   **Dated:**

SECTION – I
GENERAL INSTRUCTIONS FOR TENDER (GIT)

Note : The bidder shall submit their bid as per Scope of the RFP document.

1. **Introduction :**
   The Purchaser has issued this TE documents for procurement of services related as mentioned in **"Request for Proposal (RFP)** document**"** ,which also indicates, *inter alia,* the required stores, delivery schedule, terms and place of work/delivery etc. This section ("General Instructions to Bidders") provides the relevant information as well as instructions to assist the prospective Bidders in preparation and submission of tenders.
   <u>**Bidders shall have to agree/accept all the terms and conditions of tender including payment terms etc. Acceptance shall be unconditional and bidders shall have no claim and right in future on their terms if any.**</u>

2. **Language of Tender:**
   The tender submitted by the bidder and all subsequent correspondence and documents relating to the tender exchanged between the bidder and the purchaser, shall be written in English language.

3. **Eligible Goods and Services:**
   All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

4. **Tendering Expense**
   The bidder shall bear all the costs and expenditure incurred and/or to be incurred by them in preparation, and uploading their tender including attending the pre-bid conference and or arranging demonstration of Product/Services or Field trials that may be deemed necessary by the Purchaser.

5. **PRE-BID CONFERENCE:**

Pre-bid conference shall be held as per Notice Inviting Tender (NIT) schedule so as to provide an opportunity to the participating bidders to interact with IMD with regard to various tender provisions/clauses, before the bids are submitted. <u>Bidders should depute their authorised representative for pre-bid meeting which will be held both virtual as well as in physical mode.</u>The details regarding the Pre Bid meeting shall be intimated in due course through IMD website/Central Public Procurement (CPP) Portal. In case, due to the points/doubts raised by the prospective bidders, needs to be modified, and then the same will be considered for modification. After pre-bid conference, tender conditions will be frozen. **No change will be permissible after opening of Bids.** Clarification needed if any may be sent before commencement of pre-bid meeting. No reply in this regard shall be sent to individual bidders. **Pre-Bid minutes shall be uploaded on e-procurement portal at** https://eprocure.gov.in/eprocure/app. **Pre-bid** queries can be sent on email ID: cpu.imd@imd.gov.in and yk.reddy@imd.gov.in with cc to kuldeep.srivastava@imd.gov.in preferably two days in advance before the pre-bid meeting.

6. **Regular visit of website:**
Prospective bidders are advised to see IMD website at https://mausam.imd.gov.in/ & CPP Portal at https://eprocure.gov.in/eprocure/app on regular basis for any change in NIT schedule, amendment / corrigendum in Tender Enquiry (T.E.) Document including technical requirement and pre-bid minutes etc.

7. **Amendments to Tender Enquiry (TE) documents:**
At any time, prior to the deadline for submission of bids, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it. The amendment will be uploaded on IMD web site and CPP Portal. In order to provide reasonable time to the prospective bidders to take necessary action in preparing their bids as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of bids and other allied time frames, which are linked with that deadline. Prospective bidders are advised to visit/see https://eprocure.gov.in as well as IMD website https://mausam.imd.gov.in/ on regular basis for any change in NIT schedule, amendment / corrigendum in Tender Document including technical requirement.

8. **Documents Comprising the Tender:**
The **Two Bid System**, i.e. "Techno – Commercial Bid" and "Price Bid" prepared by the bidder shall comprise the followings:
(1).Techno – Commercial Tender (Un priced Tender)
The following documents are to be furnished by the bidder along with their **Technical Bid**. Bidder shall upload following documents on CPP Portal https://eprocure.gov.in/eprocure/app.
(i) Registration certificate of bidding firm with government body in India. Credential/document shall be attached.
(ii) Checklist section (Annexure-I) properly filled and signed.
(iii) Scanned copy of Earnest Money Deposit **(EMD) in the form of FDR/BG.** Original EMD in physical form shall be submitted to Central Purchase Unit of IMD on or before opening of tender.
(iv) Documentary evidence for fulfilment of Eligibility /Qualification criteria(s).
(v) Copy of agreement between bidding firm in India and their foreign principal indicating precise relationship between them and their mutual interest in this tender must be furnished along with their technical bid.

(vi)   Tender terms & Conditions Acceptance Form (Annexure-II) duly signed. (i.e. bidder has agreed to all the terms & condition of tender enquiry document).

(vii)   Authorization letter from principal authorizing Indian representative **to only submit /deposit the tender document** on behalf of foreign principal. Above documents must be enclosed with technical bids otherwise bids may be ignored and not to be considered for technical evaluation.

(viii) **Technical Bid.**
   (a) Un-priced/without price bid with make & model etc. should also be given as mentioned in Annexure-IV.
   (b) All pages of the Technical bid should be page numbered, indexed and signed with company/firm seal by authorized signatory.

Note*
The above documents (signed and scanned) shall be attached in the beginning of technical bid. Indian firm (Firm /Integrator /Distributors/ Distributors /Stockist etc) for imported stores shall quote in INR only. No foreign exchange shall be released by IMD and also no payment shall be made to their foreign principal.

(2) Price Bid:

(i)   All pages of the price bid should be page numbered, indexed and signed with company/firm seal by authorized signatory.

(ii)   Price Bid shall be prepared as per price schedule format (Annexure-IV).

(iii) Costing, of each and every item, sub items offered in bidder's technical bid, shall be done with all breakup prices.

(iv) The Tenderer shall indicate on the Price Schedule specifying prices of all components (main units and sub units etc. of each item) shown therein including the unit prices and total tender prices of the **goods (H/w & S/w), services, packing, inland transportation/freight/insurance to the sites, VAT, Service tax, GST etc** against the requirement.

(v)   Wherever, the Purchaser's invitation to tender calls for installation and commissioning or supervision of installation and commissioning of the instrument/equipment by the tenderer, the tenderer must clearly and separately quote the prices for the supply of the stores and the charges and the terms for installation and commissioning or supervision of installation and commissioning as the case may be. The charges towards installation and commissioning should not be included in the price of the stores.

(vi) **The Bidder shall bear all the Income-tax liability as per rates prevailing** at the time of undertaking the job in accordance with the Income-tax Act in force in India.

(vii)   AMC shall be only for the maintenance of stores (equipment and software only) therefore prospective bidders are advised to quote AMC charges accordingly and specifically. **It should not be quoted in terms of** percentage of project cost as consumable, transportation, warranty; installations, training etc are not covered under AMC**. Price bids shall not be accepted if AMC charge quoted in percentage.**

(viii) In case any charges not mentioned in the price bid, it will be treated as all the charges are free of cost for that item.

(ix) Indian vendor shall quote prices on F.O.R destination (sites of consignee) basis and Payment to Indian supplier shall be paid into Indian rupees only.

(x)   The Indian bidder supplying imported goods shall quote only in Indian Rupees if purchase order to be placed to them. It is the responsibility of Indian firm to pay custom duty etc.

IMD shall not be responsible for custom clearance**.** Prices quoted by the tenderer shall remain firm and fixed during the currency of the contract.

(xi) Statutory levies, taxes and duties etc., if any, chargeable on the goods are payable on actual basis as applicable.

(xii)If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail.

Note*. Price bid shall prima-facia be rejected in case of any deviation from the technical bid of the bidder and found that any fact concealed or hided in price bid/technical bid.

9. **Signing and uploading of Tender :**
Bidder shall upload their bid ONLINE through CPP Portal (URL: https://eprocure.gov.in/eprocure/app**), as manual bids shall not be accepted.** The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the bidder and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

10. **Alteration and Withdrawal of Tender :**
The bidder, after uploading online bid through CPP Portal, is permitted to alter / modify its bid within the deadline for submission of bids. No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a Bidder withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the Bidder.

11. **Opening of Tenders :**
The purchaser will open the tenders *online* at the specified date and time and at the specified place as indicated in the NIT.In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the bids will be opened at the appointed time and place on the next working day. Authorized representatives of the bidders, who have submitted online bids through CPP Portal may attend the tender opening, provided they bring with them letters of authority from the corresponding bidders. In Two Bid system, the **Technical Bids** are to be opened in the first instance, at the prescribed date and time schedule. These bids shall be scrutinized, evaluated and approved by the competent committee/ authority with reference to parameters prescribed in the TE document. Thereafter, in the second stage, the Price Bids of technically qualified bidders only shall be opened for further scrutiny and evaluation on a date notified after evaluation of the techno commercial tender.

12. **SCRUTINY AND EVALUATION OF BIDS:**
12.1   Unresponsive bids:
The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders are liable to be treated as non–responsive and will be summarily ignored if followings are not provided along with technical bids.

(i)   Registration certificate of bidding firm with government body in their country. Credential/document not attached.

(ii)   Tender document is unsigned *on each page*.

(iii)   Checklist **(Annexure-I)** is not properly filled and enclosed.

(iv)   Tender Acceptance Form **(Annexure-II)** not duly signed and stamped. **(i.e. all the terms & conditions of tender document are acceptable**. Original Letter shall be enclosed in technical bid.

(v)   Tender validity is shorter than the required period.
(vi) Required EMD has not been provided unless exempted.
(vii) Bidder has not agreed to give the required performance security.
(viii) Copy of agreement of bidding firm from India with its foreign principal with the precise relationship between them and nature of services which would be available from bidding firm in India. **Copy of this agreement must be attached** with the tender.

12.2   Technical Evaluation:

Tenders shall be scrutinized and evaluated by the committee constituted by competent authority with reference to parameters prescribed in the RFP/Tender document.

Minor Informality/Irregularity/Non-Conformity:

If during the preliminary examination, the purchaser finds any minor informality and/or irregularity and/or non-conformity in a tender, **the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the bidders.** Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the bidder asking the bidder to respond by a specified date. If the bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be treated as non-responsive.

12.3   Financial evaluation:

Thereafter, in the second stage, the Price Bids of technically qualified Indian bidders only shall be opened online through CPP Portal for further scrutiny and evaluation on a date and time notified after evaluation of the techno commercial tender.

The purchaser shall evaluate the technically qualified financial bids for **deciding lowest bidder (L-1) on the basis of ultimate landing cost** in single currency INR only. Bids from foreign bidders shall not be accepted and shall be directly rejected as per Ministry of Finance, Department of Expenditure, Public Procurement Division order F.No. 12/17/2019-PPD dated 15-05-2020.

SECTION – II

GENERAL CONDITIONS OF CONTRACT (GCC)

1. **Bidders shall have to agree/accept all the terms and conditions of the tender document including payment terms etc. Acceptance shall be unconditional and bidders shall have no claim and right in future on their terms if any.**

2. Whenever there is any conflict between the provision in the GCC **regards to specific Para under this section and that in the "RFP document"**, the provision contained in the RFP shall prevail and have an over -riding effect. Any Special instructions as per "RFP Document" section will also apply for this service. The conditions (like qualification criteria, delivery schedule, mode of delivery & sites of delivery etc.) mentioned in Section-III "RFP Document" will also apply for this service.

3. **Alternative Tenders**:
   Alternative Tenders are not permitted.

4. **Tender Validity :**
   The tenders shall remain valid for acceptance for a period of 180 days (one hundred eighty days) after the date of tender opening prescribed in the TE document.

5. **Purchaser's Right to accept any tender and to reject any or all bids** :
   The purchaser reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all bids at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidders.

6. **Price preference:**
   Price preference shall be given to **Micro and Small Industries** registered for stores and services specified in this tender enquiry document with **National Small Industries Corporation** or any other government agencies as per the latest guidelines/orders from Government of India. Purchase preference and quantity etc shall be decided as per the Government of India orders. The bidders shall have to attach valid registration certificate. Micro and small Enterprises are exempted for submitting of earnest money deposit (EMD) also known as security deposit. However Micro and small Enterprises are not exempted from performance security. Micro and small Enterprises shall have to furnish performance security if purchase order is placed to them. There is no relaxation in this regard.

7. **Eligibility & Qualification criterion for Bidders:**
   Indian Firms in given below category are eligible to participate in tender **subject to registration of the firm with government bodies as per act /rules in their country and also fulfilment of other specific qualification criteria, terms and conditions mentioned in technical requirement section and tender enquiry document also.**
   (i) Original Equipment Manufacturer (OEM).
   (ii) Original Software Company (OSC), who developed the main application software.
   (iii) Integrators/ Authorized dealer/ Supplier/ subsidiary/ Distributors/ Stockist having full back to back maintenance support agreement for software from OEM & OSC etc.
   (iv) Firm from India quoting on behalf of their foreign principal:

(a) Copy of agreement, with their foreign principal with the precise relationship between them, their mutual interest and nature of services which would be available from bidding firm from India, shall be submitted along with their tender. Whether foreign principal has agreed to provide technical support and spares during specified AMC/CAMC period.

(b) **Firm quoting on behalf of their foreign principal shall be responsible for furnishing performance security for the entire project.**

(c) The complete name and address of the bidding firm in India and its permanent income tax account number (PAN) as allotted by the Indian Income Tax authority must be submitted.

(d) Indian Supplier /Integrator /Distributors /stockiest etc for imported stores shall quote in INR only & no payment shall be made to their foreign principal.

8. **Earnest Money Deposit (EMD) :**

The bidder shall furnish earnest money along with its tender, for an amount as shown in the tender notice. The earnest money is required to protect the purchaser against the risk of the bidder's unwarranted conduct.

The bidders who are registered on Tender submission date with Directorate General of Supplies & Disposals or with National Small Industries Corporation shall be eligible for exemption from EMD. Micro and small Enterprises specified by Ministry of Micro , Small & Medium Enterprises (MoMSME) **are exempted from earnest money deposit (EMD),** who produce goods or provide their own services, and **not applicable for trading purpose.** **No entrepreneur or memorandum of application form is acceptable.**

The EMD shall be furnished in Fixed Deposit Receipt (FDR) or Bank Guarantee (BG) **(Annexure-III)** from any **Nationalised Commercial Bank** doing government business. FDR may be issued in the favour of "DDO, O/o DGM, IMD, New Delhi".

The clause "encashment /release of FDR/BG requires clearance certificate from Purchaser i.e. DGM, IMD" must be mentioned in issued FDR/BG by Bank.

The earnest money shall be valid for period of sixty (60) days **beyond the validity** period of the tender.

Refund of EMD: Unsuccessful bidders' earnest money will be returned to them **without any interest**, after expiry of the tender validity period. For successful bidder the earnest money will be returned without any interest, after receipt of their performance security.

Forfeiture of EMD: Earnest money of a Bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful bidder's earnest money will be forfeited without prejudice to other rights of Purchaser if supplier fails to furnish the required performance security within the specified period.

Firm shall have to extend the validity of EMD accordingly if extension of tender validity is agreed on the request of purchaser in exceptional cases.

9. **Performance Security:**

1. Successful bidder shall submit performance security within thirty (30) days from date of dispatch of award of contract by the purchaser or within twenty one (21) days from the receipt of supply order by the supplier whichever is earlier.
2. The purchaser may consider annulment/cancellation of award of contract if performance security not received in stipulated time.
3. There is no relaxation/exemption in submitting of performance security.
4. **Performance Security has to be submitted irrespective of its registration NSIC etc. Performance security is not relaxed to any supplier/service provider. Submission of Performance Security is must for all suppliers/service providers.**.
5. The AMC service provider shall furnish performance security to the purchaser for an amount equal to five per cent (5%) of the total value of the AMC Value, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier/service provider.
6. Performance Security shall be in any one of the forms namely Fixed Deposit Receipt or Bank Guarantee drawn/issued issued by a National Commercial Bank doing government business in the prescribed form in favour of the purchaser. In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended. The purchaser will release the Performance Security without any interest to the supplier/ service provider on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of performance security for AMC. The supplier shall submit **pre receipt** for obtaining back their security.

10. **Terms of Delivery:**
The services should be delivered as per Section III "RFP document".

11. **Delivery schedule:** As per Section III "RFP document".

12. **Force Majeure:**
Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, and freight embargoes. If there is delay in performance or other failures by the supplier to perform its obligation under its contract due to event of a Force Majeure, the supplier shall not be held responsible for such delays/failures. **If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions along with supporting documents** and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side. There may be a Force Majeure situation affecting the purchase organization only. In such a situation the purchase organization shall take up with the supplier on similar lines as above for further necessary action.

13. Annual Maintenance Contract:

The Consignee shall enter into Annual Comprehensive Maintenance Contract between Consignee and the successful bidder. AMC shall be only for the maintenance of stores (equipment and software only). Prospective bidders are advised to quote accordingly and specifically. **It should not be quoted in terms of percentage of project**. **The cost components towards AMC are to be mentioned and added in bid by tenderers for its evaluation on overall basis to decide the ranking of tender.** Generally, payment for maintenance contract is made on quarterly basis unless it is specified in Section III "RFP document".

14. Penalty clause for delayed/ unsatisfactory Services:

As per Section III "RFP document".

15. Award Criteria and Tolerance Clause:

The order of contract shall be awarded to the eligible responsive tender evaluated as the most economical, technically qualified and suitable to the requirements subject to the availability of funds.

16. Modification of contract

If necessary, the consignee may issue an order to the bidder at any time for amendment of the contract by making alterations and modifications within the general scope of contract during the period of the contract. If the bidder doesn't agree to the adjustment made by the consignee, the firm shall convey its views to the consignee within fifteen (15) days from the date of the bidder's receipt of the consignee's amendment / modification of the contract.

17. Taxes:

Tax deducted at source (TDS) shall be done before making payment to the suppliers as per existing law in force. The bidders may visit website of Income Tax Department of India for details of Tax Liabilities, Rules, and Procedures etc. The bidders shall have to provide their Permanent Account Number (PAN) and TAN. Firm may also mention the applicable rates of TDS as per DTAA with India. Copy of same may also be enclosed. All the applicable taxes such as GST etc shall be borne by the vender.

18. Terms and Mode of Payment

Payment Terms: Payment, as per term mentioned below, shall be made subject to recoveries, if any, by way of penalty clause /TDS or any other charges as per terms & conditions of contract if not specified elsewhere in the document.

1. Payment shall be made as per Section III "RFP document". The payment of AMC will be made after satisfactory completion of said period and duly certified by the consignee. The consignee shall deal this issue separately and directly. The supplier shall deal AMC agreement and payment etc directly with the consignee.

2. The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.

3. Bills/invoices must be submitted separately for stores and services.
4. The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to consignee.
5. The bidder shall submit particulars of his bank account required for making payments.
   (a) Account Number (b) Bank Name (c) Branch Name (d) Address
   (e) IFS code (f) MICR No. (g) Telephone No. (h) SWIFT code etc.

19. Fall Clause

The bidder undertakes that it has not supplied/is not supplying similar products/systems or subsystems at a price lower than that offered in the present bid in respect of Ministry/Department of the Government of India or Public Sector Unit (PSU) and if it is found at any stage that similar products/systems or subsystems was supplied by the BIDDER

To any Ministry/Department of the Government of India or Public Sector Unit (PSU) at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and difference in the cost would be refunded by the BIDDER to the BUYER (India Meteorological Department) or it will adjusted from their bills, if the contract has already been concluded.

20. Termination of tender by the Purchaser:

From the time of submission of tender to the time of awarding the contract, if a bidder needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

In case a bidder attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of bidders and awarding the contract, the tender of the bidder shall be liable for rejection in addition to appropriate administrative actions being taken against that bidder, as deemed fit by the purchaser.

The purchaser, without prejudice to any other contractual rights and remedies available to it (the purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser. In the event of the purchaser terminates the contract in whole or in part, the purchaser may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the purchaser for the extra expenditure, if any, incurred by the purchaser for arranging such procurement. If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the purchaser.

21. Arbitration clause:

If dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or relating to the extension of contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the "List of requirements/ technical specifications" section either the purchaser or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per Indian Arbitration and Conciliation Act, 1996. In the case of a dispute or difference arising between the

Purchaser/ Consignee and all suppliers relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer, appointed to be the arbitrator by the Director General of Meteorology. The award of the arbitrator shall be final and binding on the parties to the contract. Each party shall bear its own cost.

Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi. The contract shall be interpreted in accordance with the laws of India.

22. **List of Deliverables:**

The Bidder shall submit the List of Deliverables of their proposal as per the Price Bid format with price masked for all the stores, H/w, S/w, items, subunits etc. and all other services which bidder is going to offer in their technical proposal to meet the requirement mentioned under Section III "RFP document". The price bid shall not be considered if it is not matching with the list of deliverables submitted with technical bids.

Note*: It is mandatory to mention the make and model of each offered stores wherever applicable.

CHECKLIST

(Checklist shall be attached in the beginning of the tender)

S.N.	Activity	Compliance Yes/ No/ NA	Page No. in Your document
1.	(i) Have you submitted EMD of required amount?		
	(ii) Validity of 240 days of EMD (Bank Guarantee /FDR) from Tender Opening date		
	(iii)Is registration certificate from NSIC /any govt bodies attached for relaxation of EMD?		
2.	Is Firm Registration certificate from Government bodies in India attached with technical bid**?**		
3.	Have you kept validity of tender for acceptance by the purchaser as per the TE document?		
4.	Have you submitted duly filled, signed & stamped all bidding documents, accepting all terms and conditions of the tender document.		
5.	Have you submitted copy of the last purchase order(s) and end user certificate?		
6.	Is tender submitted as an OEM?		
	Is tender submitted by authorised Agent/Dealer/supplier/distributor/subsidiary/integrator etc of OEM?		
	If Not OEM, Is Authorization letter and service support from OEM is attached?		
7.	(i) Permanent Account No. of bidding firm with proof.		
	(ii) Is GST number with registration certificate attached?		
8.	Name of the firm with complete address, who quoted the price.		
9.	Name of tender currency.		
10.	Whether Bidder's bank details given?		

(Name & Signature with date and firm/company seal)

Tender Terms & Conditions Acceptance Form
(For all the terms & conditions of tender document are acceptable to bidder)

To
The Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003

Ref: TE document No. CPU/_____   dated _____

I/We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver *the goods and services in* conformity with your above referred document.

If our tender is accepted, we undertake to supply the goods and perform the services (Installation & commissioning etc.) as mentioned in tender document with the delivery schedule specified in Section III "RFP Document".

I/We further confirm that, if supply / purchase order is placed to firm, we shall provide performance security of required amount in an acceptable form for due performance of the contract.

I/We agree to keep our tender valid for acceptance as required in tender document or for subsequently extended period, if any, agreed to by us. I/We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period.

I/We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

I/We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

I/We confirm that we fully accept and agree to all the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum etc. if any.

(Signature with date and seal of the company)

(Name and designation)

Duly authorised to sign tender for and on behalf of bidder

Note*: 1. **Firm/company shall use their own printed letter head for issuing this certificate.**
   2. **Acceptance shall be unconditional.**

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD
(Format only)

Whereas …………………………………………………………………………………...
(hereinafter called the "bidder")
has submitted their offer dated……………………………….…………………………………
for the supply of …………………………………………………………………………..
(hereinafter called the "tender")
against the purchaser's tender enquiry No. …………………………………………………
KNOW ALL MEN by these presents that WE …………………………………………...
of …………………………………………….. having our registered office at
…………………………………………………. are bound unto ………………….
(hereinafter called the "Purchaser)
in the sum of ……………………………………………………………………………
for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this…………… day of …………….20……
THE CONDITIONS OF THIS OBLIGATION ARE:
(1) If the bidder withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
(2) If the bidder having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
a) If the bidder fails to furnish the Performance Security for the due performance of the contract.
b) Fails or refuses to accept/execute the contract.

WE undertake to pay the "Director General of Meteorology, India Meteorological Department", up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.
This guarantee will remain in force upto and including 60 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

Bank Guarantee issued with the tender enquiry reference No. CPU/………….   Dated……
…………………………….
(Signature of the authorized officer of the Bank)
………………………………………………………….
Name and designation of the officer
………………………………………………………….
Seal, name & address of the Bank and address of the Branch

Annexure-IV
PRICE BID FORMAT
Price to be quoted on firm/company letter heads only

S.N. (1)	Item No. (2)	Item Description (3)	Qty (4)	Model (5)	Base price (6)	Applicable taxes & duties (7)	Unit price (6+7) (8)	Total price (4x8) (9)
A		**Comprehensive Annual Maintenance Contract for all MFI Systems**						
1	**06B1ii-1**	**AMSS Hardware for RTH Delhi**						
	06B1ii-1.1	**AMSS Servers**						
		Central AMSS servers and telecom devices						
	1.1.1	MSS Servers: **HP ProLiant DL580 G5** High Performance, 4 processors Quad Coré Intel® Xeon® E7340 (2,40 GHz /1066 MHz - 8 MB - 80 W), 8 GB PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (7 disks per server), HP Smart Array P400i embedded/512Mb controller BBWC(RAID), Hot plug redundant power supplies and cooling fans, Two Embedded NC373i Multifunction Gigabit Server adapters, DVD±RW Burner 8X max slimline HP(4Nos.)	4	HP				
	1.1.2	DIGINeoXem 16 ports (asynchronous)	4	DIGI NEO				
	1.1.3	Automatic Line change over units + cables (4 Cards per Unit)	2	BLACK BOX				
	1.1.4	HP TFT7600 - KVM console - TFT - 17"	2	HP				
	06B1ii-1.2	**AMSS Supervision Workstation**						
	1.2.1	**HP DC5800 Microtower** E2200 250GB DVDRWIntel® Pentium® Dual-Core E2200 processor (2.20 GHz) 1 GB of RAM Hard drive, internal 250 GB (7200 rpm) Integrated Intel Graphics Media Accelerator 3100 Integrated Ethernet 10/100/1000 NIC	5					
	1.2.2	HP L1950g 19-inch LCD Monitor	4	HP				
		AOC 236LM 19-inch LED Monitor	1	AOC				
	06B1ii-1.3	**Additional Hardware**						
	1.3.1	Integration cabinet HP	4	HP				
	1.3.2	HP TFT7600 - KVM console - TFT - 17"	3	HP				

1.3.3	HP 0X2X16KVMSvr Console USB Switch	4	HP				
1.3.4	HP PS2 USB Vert Media Interface Adapter	16	HP				
06B1ii-1.4	**Network and Telecom Hardware**						
1.4.1	Ethernet LAN HP 24 ports Gigabit 3400cl	6	HP				
1.4.2	Modem GSM Tri-Band	2	Falcom				
1.4.3	Router 3845 multi-WAN/LAN port (16 WAN ports and 2 LAN ports)	2	CISCO				
06B1ii-1.5	**Firewall**						
	CISCO Firewall ASA 5550	2	CISCO				
06B1ii-1.6	**Web server**						
	IMD Delhi Web server						
1.6.1	Server HP ProLiant DL380 G5 High Performance2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W)8 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (8 disks per server), HP Smart Array P400 embedded/512Mb controller, Two Embedded NC373i Multifunction Gigabit Server adaptershot plug redundant power supplies, DVD±RW Burner 8X max slimline HP, HP Battery Backed Write cache Enabler kit- memory backup battery	2	HP				
06B1ii-1.7	**Mail server**						
1.7.1	Server HP ProLiant DL380 G5 HighPerformance2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/ 1333 MHz - 2 x 6 MB - 120 W)8 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (8 disks per server), HP Smart Array P400 embedded/512Mb controller, hot plug redundant power supplies,DVD± RW Burner 8X max slimline HP, HP Battery Backed Write cache Enabler kit- memory backup battery.	2	HP				
06B1ii-1.8	**UPS**						
	UPS 60 KVA on line 1h back-up redundant power supply Including :	2	SOCOMEC				
	MASTERYS 60 KVA mainframe with External Battery Banks						
	Advanced Dry Contact PCB	2					
	Web/SNMP Adapter Internal	2					

	Battery bank & Cabinet	4						
1.9	**Archiving server**							
1.10	Server HP ProLiant DL380 G52 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W)4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667),146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (6 disks per server),HP Smart Array P400 embedded/512Mb controller,Twombedded NC373i Multifunction Gigabit Server adaptershot plug redundant power supplies,DVD±RW Burner 8X max slimlineHP,HP Battery Backed Write cache Enabler kit- memory backup battery.	2	HP				
1.11	General Clock server Pilot clock 4860 net	1	Horloges huchez					
	GPS 488 HS	1						
	Diodes Clock	1						
1.12	- Central Procurve Switch 5412ZL Intelligent	1	HP					
1.13	- Wired Electrical Power Panel	1	SMEE					
06B1-2	**AMSS Software for RTH Delhi**							
	For TRANSMET AMSS							
2.1.1	Linux CentOS version 5.2 kernel 2.6.18-92.1.22.el5	1						
2.1.2	Postgresql database version 8.3.5	1						
2.1.3	Heartbeat 2.1.3	1						
2.1.4	Apache Web server version 2.2.3	1						
2.1.5	Iptables version 1.3.5	1						
2.1.6	WMO monitoring METDATA Monitor 1.7.2-5 (2010)	1						
	For mail server							
2.1.7	Linux CentOS version 5.2	1						
2.1.8	Qmail version 1.03	1						
2.1.9	Spamassassin version 3.2.5	1						
2.1.10	ClamAV version 0.92.1	1						
2.1.11	IMPwebmail client version 4.1.6	1						
	For WEB server							
2.1.12	Linux CentOS version 5.2	1						
2.1.13	Apache version 2.2.3	1						
	Application software							
2.1.14	TRANSMETAMSS software for INTERNATIONAL telecommunications – latest version - Full Edition UK	1	METEO FRANCE /					

				MFI				
	2.1.15	TRANSMETAMSS software for NATIONAL telecommunications – latest version - Full Edition UK	1	METEOFRANCE / MFI				
2	07-1	**CIPS**						
	07-1.1	**Hardware equipments**						
		Operational SAN -7TB : (Storage for operational Data : 48 x146GB**)**						
	1.1.1	**EVA4400 Starter Kit 2C1D + 8x146G15K + 4TB lic CV + media-kit**	1	HP				
	1.1.2	**Enclosure M6412 for EVA4400**	3	HP				
	1.1.3	**disk FC for EVA x000 and x100 2 ports FC 146 GB 15000 t/mn**	48					
	1.1.4	HP 32A High Voltage Modular PDU	2					
	1.1.5	License Dynamic Capacity Manager	1					
	1.1.6	Media Kit EVA 4400	1					
	1.1.6	License Command View update to unlimited	1					
	1.1.7	HP Replication Sol Mgr Media v4.0 SW	1					
	1.1.8	HP 3y Support Plus 24 SVC	1					
	1.1.9	EVA4400 FC Drive Enclosure Support	3					
	1.1.10	EVA4400 146/300/400GB Support	48					
	1.1.11	DCM EVA4400 UnlLTU Support	1					
	1.1.12	CV EVA4400 Upg to UnlimSupp	1					
	1.1.13	EVA4400 8-146/400GB Starter Kit Support	1					
	1.1.14	HP Installation and Startup Service	1					
	1.1.15	HP Startup EVA Starter Kit SVC	1					
	1.1.16	HP Technical Installation Startup SVC	1					
	1.1.17	HP Startup Command View EVA (CV EVA) Svc	1					
	1.1.18	Storage Works LC/LC 2m Cable	4					
	Archive SAN- 24TB (Storage for long-term Data archive : 60 x 400GB)							
	1.1.19	**EVA4400 Starter Kit 2C1D + 8x146G15K + 4TB lic CV + media-kit**	1	HP				
	1.1.20	**Enclosure M6412 for EVA4400**	4	HP				
	1.1.21	**disk FATA for EVA x000 and x100 2 ports FC 400 GB 10000 t/mn**	60					

1.1.22	HP 32A High Voltage Modular PDU	2					
1.1.23	License Dynamic Capacity Manager	1					
1.1.24	Media Kit EVA 4400	1					
1.1.25	License Command View update to unlimited	1					
1.1.26	HP Replication Sol Mgr Media v4.0 SW	1					
1.1.27	HP 3y Support Plus 24 SVC	1					
1.1.28	EVA4400 FC Drive Enc Support	4					
1.1.29	EVA4400 400GB HDD Support	60					
1.1.30	DCM EVA4400 UnlLTU Support	1					
1.1.31	CV EVA4400 Upg to UnlimSupp	1					
1.1.32	EVA4400 8-146/400GB Starter Kit Support	1					
1.1.33	HP Installation and Startup Service	1					
1.1.34	HP Startup EVA Starter Kit SVC	1					
1.1.35	HP Technical Installation Startup SVC	1					
1.1.36	HP Startup Command View EVA (CV EVA) Svc	1					
	Hardware equipment – Servers						
1.1.37	**Server HP ProLiant DL580 G5 Intel® Xeon® E7340 ,**2,40 GHz /1066 MHz - 16 MB Quad Core 80 W) 4P ,8 GB Smart Array P400i 512 MB BBWC , Disk SAS HP 146,8 GB - 10K tpm - SFF 2,5" hot-plug universal(2disks per server), Network Card Ethernet Gigabit PCI-Express 2 ports copper HP NC360T, HBA FC1142SR PCI-Express FC 4 GB chipset QLOGIC, DVD/RW 8X max slimline drive HP, RAM 4GB (2X2GB) FBD PC2-5300 Low consumption**.**	9	HP				
1.1.38	**Server HP ProLiant DL380 G5 Intel® Xeon® X5450** SAN Management Server:(3,00GHz/1333 MHz - 2 x 6 MB Quad Core120 W) 2P ,4 GB Smart Array P400/512 MB BBWC, Disk SAS HP 146, 8 GB - 10K tpm - SFF 2,5" hot-plug universal(2disks), Network Card Ethernet Gigabit PCI-Express 2 ports copper HP NC360T, HBA FC1142SR PCI-Express FC 4 GB chipset QLOGIC, DVD/RW 8X max slimline drive HP.	1	HP				
	SAN switches						
1.1.39	SAN switch B-series 4/32B - 32 ports	2	HP				
	Network switches						
1.1.40	PROCURVE SWITCH 3400CL-24G (Integrated in Cabinets : 1,2,3 and 5)	8	HP				
	Cabinets						

1.1.41	Rack HP 10842 G2	5	HP				
1.1.42	HP 10642 G2 Sidepanel Kit	5	HP				
1.1.43	Cabling Ethernet &Fiber	1 set					
1.1.44	HP 1U qwerty keyboard & Screen	4	HP				
1.1.45	HP 0X2X16 KVMSvr Console USB Switch	4	HP				
1.1.46	HP PS2 USB Vert Media Interface Adapter	48	HP				
	H.Q Delhi						
1.1.47	**Work stations:** DC5800 UT E2200 1GO/250GO DVDRW	2	HP				
1.1.48	Samsung syncmaster 22" Wide-monitor	2	SAMSUNG				
07-2	**Software**						
07.2.1	CIPS Software including: • ObsDBkernel : Observation database including preprocessing and basic access layer • ModDBkernel :GRIB model database including preprocessing and basic access layer • ImgDBkernel : satellite and radar database including preprocessing and basic access layer • FctDBkernel : punctual forecast database including preprocessing and basic access layer • PrdDBkernel : products database including preprocessing and basic access layer • ObsDB online archive access extension • ModDB online archive access extension • ImgDB online archive access extension • FctDB online archive access extension • PrdDB online archive access extension	**One (1) set**					

		• CIPS acces layer (CAL) : Global API to CIPS processing						
		• CIPS Data browser : provides access for external end users						
		• CIPS basic scheduling tools						
		• Batch production extension						
		• Satellite post processing package						
		• Radar post processing package						
		• GRIB post processing package						
		• Obs post processing package						
		• SIGWx post processing package						
	07.2.2	**IT Software**						
		CentOs Linux V4	2					
		Windows 2003 Server	1					
		SMS scheduler from ECMWF: Supervisor Monitor Scheduler	2					
		openPBS: Portable Batch system or SGE: SunGridEngine	1					
		Oracle V10	1					
3		**SYNERGIE SYSTEMS: DELHI H.Q**						
	08A-1.1	**Server:** HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	**2**	**HP**				
	08A-1.2	**Server Monitors:**	**8**	**HP**				
		HP **L1950g**19-inch **TFT** Monitor						
	08A-1.3	**Synergie standalone workstations:**	5	HP				
		HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology						
	08A-1.4	**HP L2445w -TFT 24" 1920 x 1200-MONITORS (three monitors with each work station)**	13	HP				
		DELL SE2416H 24" Led Monitor	1	Dell				
		AOC E2450SWH 24" Led Monitor	1	AOC				
	08A-1.5	**UPS 2KVA**	**2**	**APC**				

08A-1.6	**UPS 1 KVA**	**4**	**APC**					
	RMC NEW DELHI							
	Synergie Servers (located at 2ndfloor Mausam Bhawan server room)							
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	HP					
	Work stations :							
	HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2							
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	HP					
	AOC 236LM 24" Led Monitor	1	AOC					
	UPS 2KVA	1	APC					
	UPS 1KVA	2	APC					
	M O PALAM							
	Workstation:							
	HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	**2**	**HP**					
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	**6**	**HP**					
	UPS 1KVA	**2**	**APC**					
	M C JAIPUR							
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	**HP**					
	Workstation:	1	**HP**					

HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology							
HP L2445w -TFT 24" 1920 x 1200-MONITORS	2	**HP**					
AOC E2450 24" Led Monitor	1	AOC					
UPS	1	APC					
M C DEHRADUN							
Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	**HP**					
Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	**HP**					
HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	**HP**					
UPS	1	APC					
M C SRINAGAR							
Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	**HP**					
HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	**HP**					
UPS 1KVA	1	APC					
CRS PUNE							
Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB**	2	**HP**					

	Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology							
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	**HP**					
	HP L1950G TFT19"	2	HP					
	UPS 2kva	1	APC					
	UPS	2	APC					
TRAINING CENTER, PUNE								
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	Workstation:							
	HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	6	**HP**					
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	18	**HP**					
	HP L1950G TFT19"	2	**HP**					
	UPS 2KVA	1	APC					
	UPS 1KVA	6	APC					
RMC MUMBAI:								
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	**HP**					
	ACER RR24HY 24" led monitor	2	**ACER**					

	AOC E2450 24" Led monitor	1	**AOC**					
	HP L1950G TFT19"	2	**HP**					
	UPS 2kva	1	APC					
	UPS 1kva	2	APC					
RMC NAGPUR
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	**HP**					
	AOC E2450 24" Led Monitor	1	**AOC**					
	HP L1950G TFT19"	2	**HP**					
	UPS 2KVA	1	APC					
	UPS 1KVA	2	APC					
RMC CHENNAI
	Server :HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	Workstation:HPxw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**					
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	**HP**					
	HP L1950G TFT19"	2	**HP**					
	UPS 2KVA	**1**	APC					
	UPS 1KVA	**2**	APC					
RMC KOLKATA
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel®	2	**HP**					

	Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology						
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**				
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	**HP**				
	ACER R24HY 24" Led Monitor	2	**ACER**				
	AOC E2450 24" Led Monitor	1	**AOC**				
	HP L1950G TFT19" Monitor	2	**HP**				
	UPS 2KVA	1	APC				
	UPS 1KVA	2	APC				
	M O KOLKATA						
	Workstation :						
	HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Light scribe Technology	2	**HP**				
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	**HP**				
	ACER R240HY 24" led monitor	1	**AOC**				
	UPS 1KVA	2	APC				
	RMC GUWAHATI						
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**				
	Workstation:						
	HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**				
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	**HP**				
	HP L1950G TFT19" Monitor	2	**HP**				

		UPS 2KVA	1	APC				
		UPS 1KVA	2	APC				
		M C BHUBANESWAR						
		Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	**HP**				
		HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	**HP**				
		AOC E2450 19" Led Monitor	1	**AOC**				
		UPS 1KVA	2	APC				
	08A-2	**Software**						
	08A-2.1	**Synergie client and stand-alone systems**						
		Operating system : · Linux CentOS 5 Packaged on DVD "Basic and SYNERGIE software"	34	MFI				
		Graphical library : · ECMWF MAGICS Packaged on DVD "Basic and SYNERGIE software"	34	MFI				
	08A-2.2	**Basic software licence for synergie servers**						
		Operating system : · Linux CentOS 5	20	MFI				
		Database manager : · Oracle v9.0 standard edition	20	MFI				
	08A-2.3	**Client Software License**	**34**	**MFI**				
	08A-2.4	**Server Software Licence**	**20**	**MFI**				
4	10-1-1	**METEOFACTORY ® Production System at HQ DELHI**						
	10-1-1.1	**METEOFACTORY ® Hardware and COTS for HQ Delhi**						
		METEOFACTORY® Synergie batch production servers						
		HP ProLiant DL380 G5 High Performance, 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W),4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP.	2	HP				

		METEOFACTORY® Production servers						
		HP ProLiant DL380 G5 High Performance ,2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W) ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	HP				
		METEOFACTORY® Cabinet and equipments						
		Cabinet 42U 19"	1	HP				
		Ethernet LAN HP 24 ports Gigabit 3400cl	1	HP				
		HP TFT7600 - KVM console - TFT - 17"	1	HP				
		Switch KVM 8 PORTS RACKABLE 19"	1	HP				
		UPS 3000 VA 2 U 19"	1	APC(India)				
		METEOFACTORY ® Dissemination server						
		HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W) 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RWBurner 8X max slimline HP	2	HP				
		HP ProLiant DL380 G5 / VISUMET Data server for Met data storage/processing and fly-over production)						
		HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W),4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal, HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	1	HP				
		22 " monitor HP LCD L2208W	1	HP				
		METEOFACTORY ® Newspaper Production Workstation						
		HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	HP				
		HP L2445w -TFT 24" 1920 x 1200	1	HP				
		2000VA - UPS	1	APC				
10-2-1.1		**METEOFACTORY ® Hardware for RMC DELHI**						
		METEOFACTORY® Synergie batch production servers						

		HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	HP				
		METEOFACTORY® Production servers						
		HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	HP				
		METEOFACTORY® Cabinet and equipments						
		Cabinet 42U 19"	1	HP				
		Ethernet LAN HP 24 ports Gigabit 3400cl	1	HP				
		HP TFT7600 - KVM console - TFT - 17"	1	HP				
		Switch KVM 8 PORTS RACKABLE 19"	1	HP				
		UPS 3000 VA 2 U 19"	1	APC(India)				
		Additional set of cables and connectors	1					
		METEOFACTORY ® Dissemination server						
		HP ProLiant DL380 G5 High Performance	2	HP				
		2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP						
		HP ProLiant DL380 G5 / VISUMET Data server for Met data storage/processing and fly-over production)						
		HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal, HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	1	HP				
		22 " monitor HP LCD L2208W	1	HP				
		METEOFACTORY ® Newspaper Production Workstation						

	HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	HP				
	HP L2445w -TFT 24" 1920 x 1200	1	HP				
	2000VA –UPS	1	APC				
10-2-1.2	**METEOFACTORY ® Hardware for KOLKATA RMC**						
	METEOFACTORY® Synergie batch production servers						
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	HP				
	METEOFACTORY® Production servers						
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIM HP Battery Backed Write Cache Enabler Option Kit - memory backup battery Ms (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), DVD±RW Burner 8X max slimline HP	2	HP				
	METEOFACTORY® Cabinet and equipments						
	Cabinet 42U 19"	1	HP				
	Ethernet LAN HP 24 ports Gigabit 3400cl	1	HP				
	HP TFT7600 - KVM console - TFT - 17"	1	HP				
	Switch KVM 8 PORTS RACKABLE 19"	1	HP				
	UPS 3000 VA 2 U 19"	1	APC(India)				
	METEOFACTORY ® Dissemination server						
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	HP				
	METEOFACTORY ® Newspaper Production Workstation						
	HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	HP				
	HP L2445w -TFT 24" 1920 x 1200	1	HP				

	2000VA - UPS	1	APC				
10-2-2	**METEOFACTORY ® Software for DELHI and KOLKATA RCs**						
10-2-2.1	**METEOFACTORY ® Software Licences for HQ DELHI**						
	METEOFACTORY ® Database application licence						
	integration and storage of meteorological data from - forecaster expertise - raw data like observation, pictures and NWP Version 1.7.0	1	MFI				
	METEOFACTORY ® PRODMET application licence						
	set of production modules using all the data included into the Database - text, voice, fax, e-mail/web, SMS Version 1.7.0	1	MFI				
	METEOFACTORY ® VISUMET application licence						
	set of production modules using all the data included into the data center	1	MFI				
	METEOFACTORY ® NEWSMET application licence						
	production module to include into a Newspaper template all the data needed by the user like maps, text and pictogram, Version 1.7.0	1	MFI				
10-3-1	**TV Weather report system at H.Q New Delhi**						
10-3-1.1	**HP xw8600 Workstation** 2x Intel Xeon DualCore CPUs ,4096MB (4GB) RAM,Seagate Barracuda 500GB hard disk, Gainward NVidia GeForce 9800GT 1024 MB, Centaurus II LT SD -DVS card,Gigabit networking, DVD-burner, US keyboard, Optical Wheel mouse,.	2	HP				
	22" TFT display HP L2208w	4					
10-3-2	**Operating system and application software for TV weather report systems**						

Total Tender price:

    In words:

 Note:
1. Indian bidders shall quote in INR only.
2. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
3. All applicable taxes must be mentioned against each item. Rate of each applicable tax must be mentioned in price bid.

Signature of Bidder_____

Seal of the Bidder_____

Place: _____

Date: _____

India Meteorological Department

Mausam Bhavan, Lodhi Road

New Delhi-110003, INDIA

Section-III

RFP DOCUMENT

for

Hiring of onsite comprehensive maintenance services for MFI Systems at HQ and other locations

1. Brief of the MFI project:

India Meteorological Department (IMD) Meteorological procured integrated systems for meteorological data exchange, analysis and their applications as well as develop the techniques/systems in the field of Meteorology in the context of global technological developments through an integrated approach under project MODERNIZATION OF INDIA METEOROLOGICAL DEPARTMENT OBSERVATION & INFORMATION SYSTEMS AND APPLICATIONS (MIMOSA) also known as VARSAMANA project. These systems were procured from MFI, France during 2008 - 2009.

Main Components of project:

Varsamana project is focused on core (critical) information systems and integration of all new components into a comprehensive single system. Varsamana project includes following major components:

i. TRANSMET(Automatic Message Switching System)
ii. Central Information & Processing System (CIPS)
iii. Climate Data Management System (CLISYS)
iv. SYNERGIE
v. Public Weather System (PWS)

System Integration of VARSAMANA project is a key factor in the IMD Modernization Program by:

• Setting up a consistent data flow all over the country (including NWP data, meteorological observations, satellite & radar images, weather forecast and various developed products) to match the requirements of all meteorological centers in the country for core activities like Forecasting, various weather Warnings, creation of products for End users, Climatology.
• Making all Varsamana systems able to handle data flow properly and mainly interact with each other and of course between IMD sites, through communication links provided by IMD.
• Implementing a comprehensive user-oriented approach to improve benefits of meteorology for all concerned economic sectors in India.
• Developing suitable interfaces between existing systems in IMD and Varsamana systems.
• Providing web interface to users to view or download the meteorological data from any part of the world to fulfill WIS compliance.

TRANSMET:

TRANSMET, also called Automatic Message Switching System (AMSS), is the central node of the IMD national and international telecommunications. TRANSMET receives checks and forwards automatically the meteorological data and products on appropriate channels as per predefined set of rules (routing table) according to the WMO standards.

Central Information & Processing System (CIPS):

Critical in the ongoing realization of the WMO Information System (WIS), Central Information and Processing System (CIPS) has been installed at India Meteorological Department which gave a paradigm shift in its core activities from Observation Network Management towards integrated and connected Information Systems to provide effective services to the user community. CIPS is able to

handle, manage, store, process and archive all data received from international and national observation networks, Numerical Weather Prediction models including the ones running on IMD High Performance Computer, products from INSAT&KALPANA satellites, and Doppler weather radar network.

Climate Data Management System (CLISYS)

CLISYS systems enable IMD to systematically gather all past weather observations in India, quality control, manage, analyze and disseminate in electronic form. These climatological data along with properly managed metadata enabled scientists to evaluate climate change in the long term and precisely define the nature of climatic fluctuations at time scales up to a century with facilities for developing various climatological products, monitoring and web interface.

SYNERGIE: This forecasting system, based on man-machine mix and interaction with huge amount of data has become an indispensable tool for the IMD forecasters. A major feature of SYNERGIE is the integration of all the meteorological data (in WMO recommended formats) into the same system in order to speed up the extraction of information and allow the forecasters to use and/or combine any type of data at any step of his work: understanding, analysis, and forecasting with various modules etc.

Public Weather System (PWS): PWS system comprises following three subsystems:

(a) METEOFACTORY: MeteoFactory is a modular system that allows IMD to deliver automatically to their end-users the meteorological products and services they need in the right format and at the right time to ensure security of life and property and to provide suitable meteorological information in all economic sectors through INTERNET/SMS/Email/TV.

(b) TV system: TV system is used to communicate the forecast made by forecasters and the weather situation to different agencies including public. The TV weather report is one of the most visible part of the NMS production. By producing an accurate and understandable weather forecast, the NMS contributes to guarantee information to the general public and its overall safety.

(c) Visumet: Visumet system is a display system for displaying different weather phenomenon, forecast, satellite and Radar images etc in user friendly graphical format.

2. Scope of the Work

The comprehensive annual maintenance contract shall include the hardware and software maintenance of entire MFI system and miscellaneous hardware with the replacement of all defective parts/devices. All the hardware, software, communications equipments, network systems and UPS etc. **as per Annexure-A to annexure-D** shall be covered in the maintenance contract. The entire contract will be comprehensive in nature. Contractor shall provide 24x7x365 days support for maintenance of all MFI systems of IMD hereafter referred as purchaser. Scopes of work during contract period are defined hereunder:

2.1 Bidder shall provide onsite maintenance. All services will be provided by the company/bidder at respective system site(s).

2.2 Maintenance of hardware parts or sub-parts of entire MFI systems (TRANSMET, CIPS, Backup SYNERGIE, PWS etc.) at H.Q, New Delhi. Maintenance of Synergie, CIPS and PWS systems (Servers, workstations, hardware, software, UPS and Network system) also at different offices of IMD in the country as per **Annexure-E** will be the responsibility of the company / bidder. **Details of each system are available in Annexure-A to Annexure-D.**

2.3 Maintenance of Operating systems and applications software of all above systems.

2.4 The bidder shall provide renewal of Licenses for Operating systems and application software, if required, during the contract period.

2.5 Fortnightly Backup of applications software of each computer of MFI system.

2.6 Restoration of each computer system from Backup media as and when required.

2.7 The bidder shall provide the technical assistance to IMD officers in task development, new data/ products integration etc.,

2.8 The bidder shall provide and implement all updates of all applications in Synergie as and when available with MFI during the CAMC period.

2.9 Maintenance and management of LAN system, Network devices used in MFI system network (UTP cable, Fiber optic cable, patch cord, router, firewall, LAN switches, I/O devices etc)

2.10 Maintenance of all UPS (60 KVA, 1KVA and 2 KVA etc) including battery banks of all the MFI systems at H.Q and outstations.

2.11 Maintenance of different type of communication equipment/setup of MFI systems.

2.12 The defective parts of any systems under contract are to be replaced by either new parts of reputed brand or equivalent in performance & capacity.

2.13 In case of repair of defective parts at manufacturing service center, the transportation cost, freight cost and re-export/re-import cost including custom duty etc shall be borne by bidder providing the annual maintenance. It is the responsibility of the bidder to obtain required clearance from appropriate authority.

2.14 The company / bidder shall provide all spares (hardware) which are covered under the contract as well as any other need or service without any extra charges.

2.15 The entire network items attached with MFI LAN system like UTP cable, Fiber cable (installed through communication duct), Central Switches, LAN Switches, Input / output devices (I/O), and all other items attached with the LAN will be under comprehensive annual maintenance contract.

2.16 The contract will be comprehensive in nature for all hardware, software and other peripherals i.e., the rates approved will cover the maintenance of all the hardware, operating systems, software installation (including renewal and updates) and required configuration on computers and cost of all spare parts except consumables like printer cartridges, ink, printer head etc., as and when required. UPS batteries are included in CAMC. This contract specifically excludes damages caused due to fire, theft, Riots, accidents, natural hazards and high electrical voltage supply.

2.17 This contract specifically excludes damages caused due to fire, theft, riots, accidents, natural hazards.

2.18 IMD will give full access of the equipment/ system to the company/bidder to enable or to provide maintenance services and shall make them available to company's/ bidder's service representatives/ appropriate staff who are familiar with the problems and will provide working space and facilities.

2.19 The company / bidder will have to provide a system engineer at HQ office, New Delhi on regular basis from 0930 hrs to 1800 hrs IST on all the working days of the week for maintenance of computer hardware and software (OS as well as application) along with associated peripheral and up keep the LAN system of MFI. The resident engineers must be at least B.Tech or CCNA, Redhat certified for network and system maintenance or trained in MFI systems by OEM as system administrator and having at least four years of working experience. Support beyond office hours also to be provided after booking of fault for rectification as per clause 2.34 at no additional cost.

2.20 The bidder is required to provide complete details of its engineers along with their name and mobile numbers for contact after award of contract. Only those engineers shall be allowed to access /handle the system.

2.21 The contractor must have a service base in Delhi / NCR with required and enough spares. The contractor should always be in a position to replace defective parts of all PCs, Servers, Printers, Routers, firewalls, Modems, LAN switches and other communications devices used in systems to rectify the fault within stipulated period as per clause no 2.34.

2.22 The contractor shall provide spare parts, assemblies and sub-assemblies, which develop defects or breakdown during the period of AMC. All spare parts replaced shall be from original equipment manufacturer of same model or higher version.

2.23 Any engineer/person from the company/bidder will neither open any system nor replace any spare without prior permission of IMD Officer otherwise the company/bidder will be responsible for the same and the IMD may take necessary action accordingly.

2.24 In case of defective parts, if the part is not repairable, the part will be replaced with the same "make and model", If that "make and model" is not available in the market then part will be replaced with the equivalent or higher version of same. The cost of the same shall be deemed to be included in the quoted rates.

2.25 The Contractor shall get the maintenance of the system, including the cleaning thereof, done by his maintenance staff solely at his own risk. The department shall not, in any way, be liable to make any payment, incur any expenditure or face any law suit in any court of law for any injury or death suffered by the Contractor's maintenance staff during the course of maintenance under the AMC.

2.26 The contractor must have expertise in corrective and preventive onsite maintenance and repair of server, computers, printers, plotters, Laser printers, and peripherals and other hardware parts and accessories.

2.27 The Contractor shall be required to hand over all the equipment in working condition at the time of termination of the Contract. Other-wise the equipment, found faulty, shall be got rectified from any external agencies and whole replacement/repair cost will be deducted from the AMC amount due for payment.

2.28 Each problem in system should be rectified in totality. Same problem in a system should not occur again and again.

2.29 If company/bidder provides standby system for any part which is out of order, it will be the responsibility of the company/bidder that before expiring the contract agreement he should repair/replace the defective system and only then he could take its standby system back otherwise IMD may deduct/recover from the security and payable amount equal to the cost of the system.

2.30 No system/ part will be taken to workshop by the company/ bidder unless it is very essential. Only defective parts may be taken to workshop by the company/bidder with the approval of IMD. In case Company/ bidder have to take any part to the workshop for its repair, he has to provide standby part in advance so that the work may be continued.

2.31 Bidder shall always associate IMD officers in resolving the hardware/software issues and provide detailed write-up about how the problem was resolved.

2.32 Additionally, the contractor shall do preventive and corrective maintenance quarterly.

2.33 Data confidentiality clause: The bidder has to give an undertaking that it will not use IMD data, information or meteorological products in any form for any commercial or any other purpose.

2.34 Response time to attend the complaint:
   The Customer shall assign a priority to the problem:
- Critical   The fault is so serious that the Site is prevented from fulfilling a major function.
- Urgent   The fault leads to incorrect output and causes aggravation due to the need to adapt procedures to provide a temporary work around. It may affect the standby system without affecting the operation of live (online system).
- Minor   The fault is such that it has no immediate impact on operational activity or production.

   .Critical faults should be rectified within 4 hours at Delhi, Kolkata, Mumbai, Pune and Chennai after fault booking. For other locations, faults should be rectified within 24 hours after fault booking.

2.34(i). Urgent faults should be rectified within 12 hours at Delhi, Kolkata. Mumbai, Pune and Chennai after fault booking. For other locations, faults should be rectified within 48 hours.

2.34(ii). Minor faults should be rectified within 48 hours at Delhi, Kolkata. Mumbai, Pune and Chennai after fault booking. For other locations, faults should be rectified within a week.

2.34(iii). In case any machine or part of machine is to be sent to bidder's maintenance centre due to hardware failure, the replacement of the same must be in place till the return of the original machine after repair to run the system. The defective machine/ part must be repaired/ replaced within stipulated period depending on the nature of fault described above.

2.34(iv). A helpdesk/ web based proper fault reporting/ rectification system should be created by the bidder for fault booking/ efficient monitoring of the status of the system. Escalation matrix be provided by the bidder for timely resolution of the problem in the systems.

3. General terms and conditions of the contract

3.1 Eligibility criteria:
a. The bidder must have back to back support arrangement with M/s MFI France for entire system including hardware, software and support services. Back-to Back support certificate must be attached with technical bid.
b. The bidder should have experience of at least Two (2) years in the maintenance field of Local Area Network (LAN) / Wide Area Network (WAN) with integration and installation of computer H/W and S/W. The necessary documents in support of the experience must be attached with the technical bid.

3.2 Financial Criteria:
The turnover of the bidder must be at least Rs. 5,00,00,000/-(Rs Five Crore) per annum for at least last three consecutive years in the related field. Supporting documents like balance sheet, IT Returns etc should be submitted alongwith the bid. However, this condition of turnover is exempted for the bidder of the MSME category in the related field

3.3 Penalty Clause:
If any system remained down for more than stipulated period based on category defined in Para 2.34 under 'Scope of Work' above, then penalty shall be deducted at the rate of 0.25% per day subject to ceiling of 10% per quarter of the cost of CAMC of that system**.**

3.4 Contract Validity:
Comprehensive annual maintenance contract shall be awarded to lowest technically qualified bidder initially for the period of one (1) year from the date of award of contract which may be extended

further normally not more than initial currency of the contract on the same terms and conditions subject to satisfactory performance of the service provider after the approval of competent authority. Bidder shall also have to submit fresh performance security for the extended period at the time of extension/ renewal of the contract, if considered. Contract will be effective after signing the Agreement of the contract.

3.5 Price bids:

Bidder shall quote price of AMC with component wise breakup of each systems and subsystems. The bidder shall also mention the service tax or any other applicable taxes. The bids have to include the system /subsystem wise (for lot, sub lot and other) break up charges for routine, preventive and corrective maintenance of all the equipments and software procured under MFI project. The financial bid shall consist of rates for one year with an option for further extension based on satisfactory performance as per the terms of the Agreement. **Taxes and other levies should be mentioned separately.** In case equipment included in the contract is replaced by the bidder during the period of contract with an equipment of similar make, model and specification, the AMC charges shall remain the same.

3.6 Payment terms:

Payment shall be released on quarterly basis after deducting TDS etc.on the submission of certificate of satisfactory services during the period from the designated Project Director (MFI). No advance payment shall be made. Bidders must have PAN and Service tax registration etc. The bidder will have to bear all Income Tax liability.

3.7 Termination of contract:

It will be the responsibility of the company/bidder to keep entire MFI systems all over India in working condition. If the company/bidder fails to do so or could not provide satisfactory services upto the expectation of IMD, the contract may be discontinued /terminated by IMD by giving one month notice to the company/bidder. The contract shall be terminated automatically after the expiry of contract period unless extended by IMD. The Contractor shall be required to hand over all the equipments in working condition at the time of termination of the Contract, other-wise the equipment, found faulty, shall be rectified from any external agencies and whole replacement/repair cost will be recovered from the Contractor only.

(Kuldeep Srivastava)   (Sunitha Devi)   (Narendra Nigam)

(S.L. Singh)

Lot 6B TRANSMET at H.Q New Delhi

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (5)
06B1ii-1	**AMSS Hardware for RTH Delhi**			
06B1ii-1.1	**AMSS Servers**			
	Central AMSS servers and telecom devices			
1.1.1	MSS Servers: **HP ProLiant DL580 G5** High Performance, 4 processors Quad Coré Intel® Xeon® E7340 (2,40 GHz /1066 MHz - 8 MB - 80 W), 8 GB PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (7 disks per server), HP Smart Array P400i embedded/512Mb controller BBWC(RAID), Hot plug redundant power supplies and cooling fans, Two Embedded NC373i Multifunction Gigabit Server adapters, DVD±RW Burner 8X max slimline HP(4Nos.),	4	GB8849BKW2 GB8849BKWC GB8849BKW7 GB8849BL1X	HP
1.1.2	DIGINeoXem 16 ports (asynchronous)	4	W84553451 / W84553454 W84553456 / W84553458	DIGI NEO
1.1.3	Automatic Line change over units + cables (4 Cards per Unit)	2	N/A	BLACK BOX
1.1.4	HP TFT7600 - KVM console - TFT - 17"	2	2C481800CA,2C481800CF	HP
06B1ii-1.2	**AMSS Supervision Workstation**			
1.2.1	**HP DC5800 Microtower** E2200 250GB DVDRWIntel® Pentium® Dual-Core E2200 processor (2.20 GHz) 1 GB of RAM Hard drive, internal 250 GB (7200 rpm) Integrated Intel Graphics Media Accelerator 3100 Integrated Ethernet 10/100/1000 NIC	5	CZC8422KLS,CZC8422KML CZC8422KMQ, CZC8422KLO,CZC8422KMN	
1.2.2	HP L1950g 19-inch LCD Monitor	4	CNC839PYVH,CNC839PYM3, CNC839PYM4,CNC839PYLR,	HP
	AOC 236LM 19-inch LED Monitor	1	AOCWWNZ2J3900313	AOC
06B1ii-1.3	**Additional Hardware**			
1.3.1	Integration cabinet HP	4	GB483800NZ,GB483800U4 GB483900NR,GB4820009F	HP
1.3.2	HP TFT7600 - KVM console - TFT - 17"	3	2C481800CA,2C481800CF 2C481800C9	HP
1.3.3	HP 0X2X16KVMSvr Console USB Switch	4	HUD833G2DZ,HUD833G2DN HUD833G2DW,HUD851GFWN	HP
1.3.4	HP PS2 USB Vert Media Interface Adapter	16	N/A	HP
06B1ii-1.4	**Network and Telecom Hardware**			
1.4.1	Ethernet LAN HP 24 ports Gigabit 3400cl	6	SG844SF00I, SG842SF00G SG844SF00F, SG844SF00J SG842SF00E, SG842SF00F	HP
1.4.2	Modem GSM Tri-Band	2	357248019678550 352021009449893	Falcom
1.4.3	Router 3845 multi-WAN/LAN port (16 WAN ports and 2 LAN ports)	2	FCZ124972J9,FHK1246F46K	CISCO
06B1ii-1.5	**Firewall**			
	CISCO Firewall ASA 5550	2	JMX1248L24C,JMX1248L24E	CISCO
06B1ii-1.6	**Web server**			

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (5)
	IMD Delhi Web server			
1.6.1	Server HP ProLiant DL380 G5 High Performance2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W)8 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (8 disks per server), HP Smart Array P400 embedded/512Mb controller, Two Embedded NC373i Multifunction Gigabit Server adaptershot plug redundant power supplies, DVD±RW Burner 8X max slimline HP, HP Battery Backed Write cache Enabler kit- memory backup battery	2	CZC8491M0X CZC8491LZ8	HP
06B1ii-1.7	**Mail server**			
1.7.1	Server HP ProLiant DL380 G5 HighPerformance2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/ 1333 MHz - 2 x 6 MB - 120 W)8 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (8 disks per server), HP Smart Array P400 embedded/512Mb controller, hot plug redundant power supplies,DVD± RW Burner 8X max slimline HP, HP Battery Backed Write cache Enabler kit- memory backup battery.	2	CZC8491M0Y CZC8491M1R	HP
06B1ii-1.8	**UPS**			
	UPS 60 KVA on line 1h back-up redundant power supply Including : MASTERYS 60 KVA mainframe with External Battery Banks Advanced Dry Contact PCB Web/SNMP Adapter Internal Battery bank & Cabinet	2 2 2 4	P104208001, P104208002 0800M009395531 0800M009395541 0010848060,0010848088 P102923001,P104214001 P104214002,P487962001	SOCOMEC
1.9	**Archiving server**			
1.10	Server HP ProLiant DL380 G52 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W)4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667),146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (6 disks per server),HP Smart Array P400 embedded/512Mb controller,Twombedded NC373i Multifunction Gigabit Server adaptershot plug redundant power supplies,DVD±RW Burner 8X max slimlineHP,HP Battery Backed Write cache Enabler kit-memory backup battery.	2	CZC8491LZM CZC8491LYY	HP
1.11	General Clock server Pilot clock 4860 net GPS 488 HS Diodes Clock	1 1 1	137656 137657 137658	Horloges huchez
1.12	- Central Procurve Switch 5412ZL Intelligent	1	SG819SV01H	HP
1.13	- Wired Electrical Power Panel	1	N/A	SMEE
06B1-2	**AMSS Software for RTH Delhi**			
	For TRANSMET AMSS			
2.1.1	Linux CentOS version 5.2 kernel 2.6.18-92.1.22.el5	1		

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (5)
2.1.2	Postgresql database version 8.3.5	1		
2.1.3	Heartbeat 2.1.3	1		
2.1.4	Apache Web server version 2.2.3	1		
2.1.5	Iptables version 1.3.5	1		
2.1.6	WMO monitoring METDATA Monitor 1.7.2-5 (2010)	1		
	For mail server			
2.1.7	Linux CentOS version 5.2	1		
2.1.8	Qmail version 1.03	1		
2.1.9	Spamassassin version 3.2.5	1		
2.1.10	ClamAV version 0.92.1	1		
2.1.11	IMPwebmail client version 4.1.6	1		
	For WEB server			
2.1.12	Linux CentOS version 5.2	1		
2.1.13	Apache version 2.2.3	1		
	Application software			
2.1.14	TRANSMETAMSS software for INTERNATIONAL telecommunications – latest version - Full Edition UK	1	-	METEO FRANCE / MFI
2.1.15	TRANSMETAMSS software for NATIONAL telecommunications – latest version - Full Edition UK	1	-	METEOFRANCE / MFI

Central Information and Processing SYSTEM (CIPS) at H.Q New Delhi

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
07-1	**CIPS**			
07-1.1	**Hardware equipments**			
Operational SAN -7TB : (Storage for operational Data : 48 x146GB)				
1.1.1	**EVA4400 Starter Kit 2C1D + 8x146G15K + 4TB lic CV + media-kit**	1	SGA82900CU	HP
1.1.2	**Enclosure M6412 for EVA4400**	3	SGA82900CH,SGA82900AJ SGA82900CL	HP
1.1.3	**disk FC for EVA x000 and x100 2 ports FC 146 GB 15000 t/mn**	48		
1.1.4	HP 32A High Voltage Modular PDU	2		
1.1.5	License Dynamic Capacity Manager	1		
1.1.6	Media Kit EVA 4400	1		
1.1.6	License Command View update to unlimited	1		
1.1.7	HP Replication Sol Mgr Media v4.0 SW	1		
1.1.8	HP 3y Support Plus 24 SVC	1		
1.1.9	EVA4400 FC Drive Enclosure Support	3		
1.1.10	EVA4400 146/300/400GB Support	48		
1.1.11	DCM EVA4400 UnlLTU Support	1		
1.1.12	CV EVA4400 Upg to UnlimSupp	1		
1.1.13	EVA4400 8-146/400GB Starter Kit Support	1		
1.1.14	HP Installation and Startup Service	1		
1.1.15	HP Startup EVA Starter Kit SVC	1		
1.1.16	HP Technical Installation Startup SVC	1		
1.1.17	HP Startup Command View EVA (CV EVA) Svc	1		
1.1.18	Storage Works LC/LC 2m Cable	4		
Archive SAN- 24TB (Storage for long-term Data archive : 60 x 400GB)				
1.1.19	**EVA4400 Starter Kit 2C1D + 8x146G15K + 4TB lic CV + media-kit**	1	SGA83400D9	HP
1.1.20	**Enclosure M6412 for EVA4400**	4	SGA83100FF,SGA82900C6, SGA82900CV,SGA8290097	HP
1.1.21	**disk FATA for EVA x000 and x100 2 ports FC 400 GB 10000 t/mn**	60		
1.1.22	HP 32A High Voltage Modular PDU	2		
1.1.23	License Dynamic Capacity Manager	1		
1.1.24	Media Kit EVA 4400	1		
1.1.25	License Command View update to unlimited	1		

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
1.1.26	HP Replication Sol Mgr Media v4.0 SW	1		
1.1.27	HP 3y Support Plus 24 SVC	1		
1.1.28	EVA4400 FC Drive Enc Support	4		
1.1.29	EVA4400 400GB HDD Support	60		
1.1.30	DCM EVA4400 UnlLTU Support	1		
1.1.31	CV EVA4400 Upg to UnlimSupp	1		
1.1.32	EVA4400 8-146/400GB Starter Kit Support	1		
1.1.33	HP Installation and Startup Service	1		
1.1.34	HP Startup EVA Starter Kit SVC	1		
1.1.35	HP Technical Installation Startup SVC	1		
1.1.36	HP Startup Command View EVA (CV EVA) Svc	1		
	Hardware equipment – Servers			
1.1.37	**Server HP ProLiant DL580 G5 Intel® Xeon® E7340 ,**2,40 GHz /1066 MHz - 16 MB Quad Core 80 W) 4P ,8 GB Smart Array P400i 512 MB BBWC , Disk SAS HP 146,8 GB - 10K tpm - SFF 2,5" hot-plug universal(2disks per server), Network Card Ethernet Gigabit PCI-Express 2 ports copper HP NC360T, HBA FC1142SR PCI-Express FC 4 GB chipset QLOGIC, DVD/RW 8X max slimline drive HP, RAM 4GB (2X2GB) FBD PC2-5300 Low consumption**.**	9	GB88404FW1, GB88404FXH GB88404H0C, GB88404FYX GB88404FYH, GB88404FY8 GB88404FV8, GB88404FVE, GB88404FWT,	HP
1.1.38	**Server HP ProLiant DL380 G5 Intel® Xeon® X5450** SAN Management Server:(3,00GHz/1333 MHz - 2 x 6 MB Quad Core120 W) 2P ,4 GB Smart Array P400/512 MB BBWC, Disk SAS HP 146, 8 GB - 10K tpm - SFF 2,5" hot-plug universal(2disks), Network Card Ethernet Gigabit PCI-Express 2 ports copper HP NC360T, HBA FC1142SR PCI-Express FC 4 GB chipset QLOGIC, DVD/RW 8X max slimline drive HP.	1	CZC8371Y5D	HP
	SAN switches			
1.1.39	SAN switch B-series 4/32B - 32 ports	2	USB748KR0L,USB748KRGH	HP
	Network switches			
1.1.40	PROCURVE SWITCH 3400CL-24G (Integrated in Cabinets : 1,2,3 and 5)	8	SG831SF01H, SG837SF002 SG837SF00H,SG630SF00E, SG837SF00E,SG831SF00B, SG837SF00C,SG837SF00F	HP
	Cabinets			
1.1.41	Rack HP 10842 G2	5	GB484000TA,GB48400063, GB4838016K,GB483801F7, GB483801WK	HP
1.1.42	HP 10642 G2 Sidepanel Kit	5	N/A	HP
1.1.43	Cabling Ethernet &Fiber	1 set	N/A	
1.1.44	HP 1U qwerty keyboard & Screen	4	2C48320D9N,2C48320D9R, 2C48320D9X,2C48320D9V	HP

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
1.1.45	HP 0X2X16 KVMSvr Console USB Switch	4	HUD833G2WE, HUD836G4PA, HUD836G4PW, HUD836G4PE	HP
1.1.46	HP PS2 USB Vert Media Interface Adapter	48	N/A	HP
	H.Q Delhi			
1.1.47	**Work stations:** DC5800 UT E2200 1GO/250GO DVDRW	2	CZC8290RZM, CZC8290RVS,	HP
1.1.48	Samsung syncmaster 22" Wide-monitor	2	CM22H9XQ915017D, CM22H9XQ915009R	SAMSUNG

Item No.	Item Description	Qty	Make
07-2	**Software**		
07.2.1	CIPS Software including: • ObsDBkernel : Observation database including preprocessing and basic access layer • ModDBkernel :GRIB model database including preprocessing and basic access layer • ImgDBkernel : satellite and radar database including preprocessing and basic access layer • FctDBkernel : punctual forecast database including preprocessing and basic access layer • PrdDBkernel : products database including preprocessing and basic access layer • ObsDB online archive access extension • ModDB online archive access extension • ImgDB online archive access extension • FctDB online archive access extension • PrdDB online archive access extension • CIPS acces layer (CAL) : Global API to CIPS processing • CIPS Data browser : provides access for external end users • CIPS basic scheduling tools • Batch production extension • Satellite post processing package • Radar post processing package • GRIB post processing package • Obs post processing package • SIGWx post processing package	**One (1) set**	**MFI, France**
07.2.2	**IT Software**		
	CentOs Linux V4	2	
	Windows 2003 Server	1	
	SMS scheduler from ECMWF: Supervisor Monitor Scheduler	2	
	openPBS: Portable Batch system or SGE: SunGridEngine	1	
	Oracle V10	1	

SYNERGIE SYSTEMS:

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	DELHI H.Q			
08A-1.1	**Server:** HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8491LXV CZC8405H65	**HP**
08A-1.2	**Server Monitors:** HP **L1950g**19-inch **TFT** Monitor	8	CNC839PY08,CNC839PY0C CNC839PYXG,CNC839PY0B CNC839PY0T,CNC839PY0N CNC839PYKD,CNC839PYKC	**HP**
08A-1.3	**Synergie standalone workstations:** **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	5	CZC8383VSD CZC8399RG2 CZC8383VSH CZC8383VSQ CZC8399RGC	HP
08A-1.4	**HP L2445w -TFT 24" 1920 x 1200-MONITORS (three monitors with each work station)**	13	CZQ841079W, CZQ8410747 CNK91204GG,CZQ84106XN 3CM5250X5B,CZQ8410728 CZQ8410781,CZQ8410795 CZQ84406JY, CZQ841077F CZQ84406LX, CZQ84406KT 3CM5290B65	HP
	DELL SE2416H 24" Led Monitor	1	ODK5WG64180	Dell
	AOC E2450SWH 24" Led Monitor	1	AOCWWN22J3900116	AOC
08A-1.5	**UPS 2KVA**	2	JS0832014476 JS0832010147	**APC**
08A-1.6	**UPS 1 KVA**	4	ES0940000310 JS0842002020 ES0940000305 ES0940000310	**APC**
	RMC NEW DELHI			
	Synergie Servers (located at 2ⁿᵈfloor Mausam Bhawan server room)			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF	2	CZC8405HK6, CZC8405HJ6	HP

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology			
	Work stations : **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8399RFX, CZC8383VS8	
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	CNK8181TPD, CZQ84106QB CZQ841078X, CZQ84407HL CZQ84106V4, CZQ84406F3	HP
	AOC 236LM 24" Led Monitor	1	AOCWWNZZJ4800158	AOC
	UPS 2KVA	1	JS0832010133	APC
	UPS **1KVA**	2	JS0842002038 JS0842001993	APC
M O PALAM				
	Workstation: **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	**2**	CZC8399RGG CZC8399RG1	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	**6**	CZQ84407F9, CZQ84106QB CZQ841078X, CZQ84407HL CZQ84106V4, CZQ84406F3	**HP**
	UPS 1KVA	**2**	JS0842002033 JS0842002063	**APC**
M C JAIPUR				
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	CZC8405HDK	**HP**
	Workstation: **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	CZC8383VSJ	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	2	CZQ841073X, CZQ841073Z	**HP**
	AOC E2450 24" Led Monitor	1	AOCWWNZ2J0900112	AOC

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	UPS	1	JS0842001984	APC
	M C DEHRADUN			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	CZC8405HDM	**HP**
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	CZC8399RGJ	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	CZQ8410781, CZQ841078M CZQ841078T	**HP**
	UPS	1	JS0842002026	APC
	M C SRINAGAR			
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	1	CZC8383VSV	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	CZQ84406F7,CZQ84106ZJ CZQ84406J7	**HP**
	UPS 1KVA	1	JS0842002002	APC
	CRS PUNE			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8491M29 CZC8491M1J	**HP**
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8383K7L CZC8399RGD	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	CZQ84406J8,CZQ84406L0 CZQ84406LJ,CZQ84406F2 CZQ84407H6,CZQ84406KQ	**HP**
	HP L1950G TFT19"	2		HP
	UPS 2kva	1	JS0832009896	APC

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	UPS	2	JS0842001990 JS0842002037	APC
	TRAINING CENTER, PUNE			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8491LXZ CZC840H8L	**HP**
	Workstation: **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	6	CZC8383VSN,CZC8383VSK CZC8383VS9,CZC8399RGR CZC8383VSX,CZC8383VSL	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	18	CZQ841070P,CZQ84106WF CZQ841071N, CZQ84107CQ CZQ841073C, CZQ8410720 CZQ841073X, CZQ841073Z CZQ841070Z, CZQ84106G4 CZQ84407H7, CZQ84407FM CZQ84406M5, CZQ84406JZ CZQ844064C,CZQ84407GL CZQ84406K7, CZQ84406L9	**HP**
	HP L1950G TFT19"	2	CNC839PY0R,CNC839PYMK	**HP**
	UPS 2KVA	1	JS0832014450	APC
	UPS 1KVA	6	JS0842002025, JS0842001994 JS084200201 JS0842002061 JS0842002031 JS0842002044	APC
	RMC MUMBAI:			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8405HGY CZC8405H66	**HP**
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500	2	CZC8399RG8	**HP**

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	GB Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology		CZC8383VSM	
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	CZQ84406K8,CZQ84106Q1 CZQ84406K5	**HP**
	ACER RR24HY 24" led monitor	2	8769GB26325 64203920542	**ACER**
	AOC E2450 24" Led monitor	1	AOCWWNZ2J-3500295	**AOC**
	HP L1950G TFT19"	2	CNC839PY0Q,CNC839PYM6	**HP**
	UPS 2kva	1	JS0832014430	APC
	UPS 1kva	2	JS0842002051 JS0842002054	APC
	RMC NAGPUR			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8405HDQ CZC8405HHY	**HP**
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8399RG3 CZC8383VSB	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	CZQ84406M1, CZQ84406M5, CZQ84407F9 CNC9372KWJ,CNC9372LKH	**HP**
	AOC E2450 24" Led Monitor	1	AOCWWNZ2K-2300262	**AOC**
	HP L1950G TFT19"	2	CNC839PY0Q CNC839PYM6	**HP**
	UPS 2KVA	1	JS0832014430	APC
	UPS 1KVA	2	JS0842002051 JS0842002054	APC
	RMC CHENNAI			
	Server :HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8491M1K CZC8491LZ4	**HP**

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	Workstation:HPxw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8399RGN CZC8383VSC	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	CZQ84406LD,CZQ84406LQ CZQ844065G,CZQ84407VG CZQ84406LC,CNK9161C2Z	**HP**
	HP L1950G TFT19"	2	CNC839PYK9,CNC839PY0F	**HP**
	UPS 2KVA	**1**	JS0832010119	APC
	UPS 1KVA	**2**	JS0842001995 JS0842002040	APC
RMC KOLKATA			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8405HKH CZC8405HDP	**HP**
	Workstation: HP xw 4600 Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8399RFZ CZC8399RGS	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	3	CZQ84106Y7, 3CM52907SC 3CM5250WZL	**HP**
	ACER R24HY 24" Led Monitor	2	7380485008573804850885	**ACER**
	AOC E2450 24" Led Monitor	1	AOCWWNZ2J3900150	**AOC**
	HP L1950G TFT19" Monitor	2	CNC839PYKV,CNC839PYS5	**HP**
	UPS 2KVA	1	JS0832014430	APC
	UPS 1KVAA	2	JS0842002051 JS0842002054	APC
M O KOLKATA			
	Workstation : **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Light scribe Technology	2	CZC8399RG0 CZC8399RG6	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	CZQ84106XC,CZQ8440664 CZQ84407P7,CZQ84407HG	**HP**

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
			CZQ844065S	
	ACER R240HY 24" led monitor	1	MMT84SI0017-380BE658532	**AOC**
	UPS 1KVA	2	JS0842001996 JS0842002009	APC
	RMC GUWAHATI			
	Server: HP PROLIANT DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667) 146 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (2 disks per server)HP Battery Backed Write Cache Enabler Kit - memory backup battery, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8405HFJ CZC8405HD7	**HP**
	Workstation: **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk,Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8399RFY CZC8383VSS	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	6	CZQ84106P9 CZQ84407HK CZQ841078T,CZQ8410710 CZQ84107QW CZQ84106WC	**HP**
	HP L1950G TFT19" Monitor	2	CNC839PYLW,CNC839PYKS	**HP**
	UPS 2KVA	1	JS0537008036	APC
	UPS 1KVA	2	JS0842001997 JS0701020116	APC
	M C BHUBANESWAR			
	Workstation: **HP xw 4600** Intel Core 2 Duo **E8500 3.16 GHz** 4 GB RAM**500 GB** Hard disk, Additional Hard Disk **500 GB** Hard disk (1 additional disk per workstation),compliant Linux CentOS 5, DVD±RW (±R DL) / DVD-RAM with Lightscribe Technology	2	CZC8383VSR CZC8383VS7	**HP**
	HP L2445w -TFT 24" 1920 x 1200-MONITORS	5	CZQ84406F1,CZQ84406L6 CZQ844065P,CZQ84407H8 3CQ83038KM	**HP**
	AOC E2450 19" Led Monitor	1	AOCWWNZ2J4800160	**AOC**
	UPS 1KVA	2	JS0842002053, JS0842002070	APC
08A-2	**Software**			
08A-2.1	**Synergie client and stand-alone systems**			
	Operating system : · Linux CentOS 5	34	N/A	MFI

Item No. (1)	Item Description (2)	Qty (3)	Serial No. (4)	Make (4)
	Packaged on DVD "Basic and SYNERGIE software"			
	Graphical library : · ECMWF MAGICS Packaged on DVD "Basic and SYNERGIE software"	34	N/A	MFI
08A-2.2	**Basic software licence for synergie servers**			
	Operating system : · Linux CentOS 5	20	N/A	MFI
	Database manager : · Oracle v9.0 standard edition	20	N/A	MFI
08A-2.3	**Client Software License**	**34**	**N/A**	**MFI**
08A-2.4	**Server Software Licence**	**20**	**N/A**	**MFI**

Meteofactory systems at H.Q, RMC New Delhi, RMC Kolkata and TV system at H.Q Delhi

Item No. (1)	Item Description (2)	Qty (3)	Serial Nr. (4)	Make (5)
10-1-1	METEOFACTORY ® Production System at HQ DELHI			
10-1-1.1	METEOFACTORY ® Hardware and COTS for HQ Delhi			
	METEOFACTORY® Synergie batch production servers			
	HP ProLiant DL380 G5 High Performance, 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W),4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP.	2	CZC8405HHS CZC8405H97	HP
	METEOFACTORY® Production servers			
	HP ProLiant DL380 G5 High Performance ,2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W) ,4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8405HBX CZC8405HCZ	HP
	METEOFACTORY® Cabinet and equipments			
	Cabinet 42U 19"	1	GB483900NW	HP
	Ethernet LAN HP 24 ports Gigabit 3400cl	1	SG842SF00B	HP
	HP TFT7600 - KVM console - TFT - 17"	1	2C481800CB	HP
	Switch KVM 8 PORTS RACKABLE 19"	1	HUD833G2DB	HP
	UPS 3000 VA 2 U 19''	1	NS0822008087	APC(India)
	METEOFACTORY ® Dissemination server			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W) 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RWBurner 8X max slimline HP	2	CZC8491LZG CZC8491LZ6	HP
	HP ProLiant DL380 G5 / VISUMET Data server for Met data storage/processing and fly-over production)			
	HP ProLiant DL380 G5 High Performance	1	CZC8491LZ7	HP

Item No. (1)	Item Description (2)	Qty (3)	Serial Nr. (4)	Make (5)
	2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal, HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP			
	22 " monitor HP LCD L2208W	1	CNK9130L9H	HP
	METEOFACTORY ® Newspaper Production Workstation			
	HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	CZC8422KKG	HP
	HP L2445w -TFT 24" 1920 x 1200	1	CZQ841078Q	HP
	2000VA - UPS	1	JS0832014449	APC
10-2-1.1	**METEOFACTORY ® Hardware for RMC DELHI**			
	METEOFACTORY® Synergie batch production servers			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8491M1Z CZC8491LZS	HP
	METEOFACTORY® Production servers			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8491M1S CZC8491LZR	HP
	METEOFACTORY® Cabinet and equipments			
	Cabinet 42U 19"	1	GB480700PY	HP
	Ethernet LAN HP 24 ports Gigabit 3400cl	1	SG844SF00K	HP
	HP TFT7600 - KVM console - TFT - 17"	1	2C481800CD	HP
	Switch KVM 8 PORTS RACKABLE 19"	1	HUD833G2E1	HP

Item No. (1)	Item Description (2)	Qty (3)	Serial Nr. (4)	Make (5)
	UPS 3000 VA 2 U 19''	1	NS0819003834	APC(India)
	Additional set of cables and connectors	1	N/A	
	METEOFACTORY ® Dissemination server			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8491M1F CZC8491M1G	HP
	HP ProLiant DL380 G5 / VISUMET Data server for Met data storage/processing and fly-over production)			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal, HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	1	CZC8491M17	HP
	22 " monitor HP LCD L2208W	1	CNK9130L9H	HP
	METEOFACTORY ® Newspaper Production Workstation			
	HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	CZC8422KJY	HP
	HP L2445w -TFT 24" 1920 x 1200	1	CZQ841078K	HP
	2000VA –UPS	1	JS0832014451	APC
10-2-1.2	**METEOFACTORY ® Hardware for KOLKATA RMC**			
	METEOFACTORY® Synergie batch production servers			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8491M24 CZC8491M1L	HP
	METEOFACTORY® Production servers			

Item No. (1)	Item Description (2)	Qty (3)	Serial Nr. (4)	Make (5)
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIM HP Battery Backed Write Cache Enabler Option Kit - memory backup battery Ms (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (4 disks per server), DVD±RW Burner 8X max slimline HP	2	CZC8491LZ9 CZC8491M20	HP
	METEOFACTORY® Cabinet and equipments			
	Cabinet 42U 19"	1	GB4842012Y	HP
	Ethernet LAN HP 24 ports Gigabit 3400cl	1	SG844SF00G	HP
	HP TFT7600 - KVM console - TFT - 17"	1	2C481800CC	HP
	Switch KVM 8 PORTS RACKABLE 19"	1	HUD833G2DC	HP
	UPS 3000 VA 2 U 19''	1	NS0819003813	APC(India)
	METEOFACTORY ® Dissemination server			
	HP ProLiant DL380 G5 High Performance 2 processors Quad Core Intel® Xeon® X5450 (3,00GHz/1333 MHz - 2 x 6 MB - 120 W), 4 GB RAM PC2-5300 fully buffered DIMMs (DDR2-667), 146.8 GB SAS disks HP - 10K rpm - SFF 2,5" hot-plug universal (1disks per server), HP Battery Backed Write Cache Enabler Option Kit - memory backup battery, DVD±RW Burner 8X max slimline HP	2	CZC8491M16 CZC8491LZ2	HP
	METEOFACTORY ® Newspaper Production Workstation			
	HP DC5800 UT E2200 250GB DVDRW Intel® Pentium® Dual-Core E2200 processor (2.20 GHz), 1 GB of RAM, Hard drive, internal 250 GB (7200 rpm), Integrated Intel Graphics Media Accelerator 3100, Integrated Ethernet 10/100/1000 NIC	1	CZC8422KK6	HP
	HP L2445w -TFT 24" 1920 x 1200	1	CZQ841078Z	HP
	2000VA - UPS	1	JS0832010109	APC
10-2-2	**METEOFACTORY ® Software for DELHI and KOLKATA RCs**			
10-2-2.1	**METEOFACTORY ® Software Licences for HQ DELHI**			
	METEOFACTORY ® Database application licence			
	integration and storage of meteorological data from - forecaster expertise - raw data like observation, pictures and NWP Version 1.7.0	1	N/A	MFI

Item No. (1)	Item Description (2)	Qty (3)	Serial Nr. (4)	Make (5)
	METEOFACTORY ® PRODMET application licence			
	set of production modules using all the data included into the Database - text, voice, fax, e-mail/web, SMS Version 1.7.0	1	N/A	MFI
	METEOFACTORY ® VISUMET application licence			
	set of production modules using all the data included into the data center	1	N/A	MFI
	METEOFACTORY ® NEWSMET application licence			
	production module to include into a Newspaper template all the data needed by the user like maps, text and pictogram, Version 1.7.0	1	N/A	MFI
10-3-1	**TV Weather report system at H.Q New Delhi**			
10-3-1.1	**HP xw8600 Workstation** 2x Intel Xeon DualCore CPUs ,4096MB (4GB) RAM,Seagate Barracuda 500GB hard disk, Gainward NVidia GeForce 9800GT 1024 MB, Centaurus II LT SD -DVS card,Gigabit networking, DVD-burner, US keyboard, Optical Wheel mouse,.	2	CZC84857NP CZC84857NQ	HP
	22" TFT display HP L2208w	4	CNK8380X82,CNK8380KFP,3M5250X5B, CNK9130NNP	
10-3-2	**Operating system and application software for TV weather report systems**			

SL. No.	System Name	Location in India
1.	Transmet National & International	DGM Office, New Delhi
2.	Central Information & Processing Systems (CIPS)	DGM Office , New Delhi
3.	Synergie- weather Forecasting Tool	DGM Office New Delhi, Regional Meteorological Centre(RMC) New Delhi, Mumbai, Kolkata, Guwahati, Nagpur, Chennai, Meteorological Centre(MC) Srinagar, Bhubaneswar, Dehradun, Jaipur, Meteorological Office(MO) Palam, Kolkata, Climatological Research Service (CRS), Pune, D D G M(MTI), Pune
4.	Public Weather Services - Meteo Factory	DGM Office New Delhi, RMC New Delhi & Kolkata