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Not Transferable

Security Classification: NON-SECURITY

TENDER DOCUMENT FOR PURCHASE OF: PROCUREMENT OF NEW IP BASED CCTV CAMERAS ALONG WITH TRUNSTILE GATES

Tender Number: 6000012459/SPPH/A-II/E-461/2018/6869,

Dated: 08.03.2019

This Tender Document Contains 95 Pages.

Tender Document is sold to:

The Bidder, (104573)
INDIA

Details of Contact person in SPMCIL regarding this tender:

Name: SAMMAIAH POCHAM GANDAM

Designation: Manager (TO)

Address: SPPH (Security Printing Press, Hyd)
India

Section1: Notice Inviting Tender (NIT)

6000012459 /SPPH/A-II/E-461/2018

08.03.2019

(SPMCIL's Tender SI No.)

(Date)

1. Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services:

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
1	2MP IR Bullet Camera	81.000 nos	500000.00INR 0.00	
2	2MP IR Dome Camera	5.000 nos		
3	IR Full HD PTZ 30X cameras	11.000 nos		
4	Full HD Fish eye Camera(360 degree)	1.000 nos		
5	6 Meter Poles	6.000 nos		
6	3 Mtrs Pole	2.000 nos		
7	Earthing for Pole	6.000 nos		
8	24 Port Distribution Switch	13.000 nos		
9	Layer 3 Core Switch	1.000 nos		
10	Commercial Grade Media Converter	2.000 nos		
11	Wall mount Outdoor enclosure	10.000 nos		
12	12U Rack	13.000 nos		
13	42U Rack	1.000 nos		
14	Fully loaded LIU (24 port)	1.000 nos		
15	Fully loaded LIU (12 port)	13.000 nos		
16	SFP Modules(1G)	28.000 nos		
17	SFP Modules(10G)	2.000 nos		
18	OFC Patch cords(SC-LC)	50.000 nos		
	Flexible Power Cable(3C* 1.5 Sq.	3000.000		

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
19	Mm)	mtr		
20	6 C Single Mode Armoured OFC	2000.000 mtr		
21	CAT 6 Cable	6700.000 mtr		
22	PVC Conduit 25 mm/1#	4100.000 mtr		
23	HDPE Pipe-40mm, 3mm thickness	300.000 mtr		
24	GI Pipe(2") for road crossing	100.000 mtr		
25	Management Server	1.000 nos		
26	Recording Server	2.000 nos		
27	Computer Workstation	3.000 nos		
28	46" Thin Bezel Display	3.000 nos		
29	21" LED Display	1.000 nos		
30	VMS Software with(n) cameras	1.000 nos		
31	Camera Channel Licences	98.000 nos		
32	6 KVA UPS	3.000 nos		
33	Earthing for UPS	3.000 nos		
34	Power distribution board at Control room	1.000 nos		
35	Control Console at CMS	1.000 nos		
36	Dual Lane Full Height Turnstile SS grade	2.000 nos		
37	Single Lane Full height Turnstile SS	1.000 nos		
38	Single leaf EM Lock with feedback Sensor	1.000 nos		

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
39	Double leaf EM lock with feedback Sensor	1.000 nos		
40	Drop bolt lock with fabrication	1.000 nos		
41	4 Core X1Sqmm Cable	100.000 mtr		
42	Installation of CCTV and Turnstiles syst	1.000 AU		LATE QUOTATIONS WILL NOT BE ACCEPTED
1	Installation of CCTV and trunstiles sys	1.000AU		
Type of Tender (Two Bid/ PQB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)			THREE-BID National Competetive Bid	
Dates of sale of tender documents:			From 08.03.2019 to 09.04.2019 during office hours.	
Place of sale of tender documents			ADMIN OFFICE, SPP, HYDERABAD	
Closing date and time for receipt of tenders			09.04.2019 10:45:00	
Place of receipt of tenders			TENDER BOX AT SECURITY GATE, SPP, HYD	
Time and date of opening of tenders			09.04.2019 11:00:00	
Place of opening of tenders			ADMIN BLOCK, SPP, HYDERABAD	
Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)			IMTIYAZ KHAN Assistant Manager (MM)	

1. Description of material: Procurement of New IP based CC TV cameras and Turnstile Gates with accessories as per Section VII - Technical Specifications.

2. Interested tenderers may obtain further information about this requirement from the above office. They may also visit our website <http://spphyderabad.spmcil.com> for further details.

3. Validity of tenders should be for 165 days from the date of opening Tenders.

4. Tender documents may be purchased on payment of non-refundable fee of INR 500 + GST@12% = Rs. 560.00 per set in the form of account payee demand draft/ cashiers cheque/ certified cheque, drawn on a scheduled commercial bank in India, in favour of General Manager, Security Printing Press, payable at Hyderabad. The same fee can also be paid in the above mentioned forms along with the EMD with the tender document, if using downloaded tender documents from the web site mentioned.

5. If requested, the tender documents will be mailed by registered post/speed post to the domestic tenderers for which extra expenditure per set will be INR 500 + GST@12% = Rs. 560.00 for domestic mail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned above.

6. Tenderer may also download the tender documents from the web site <http://spphyderabad.spmcil.com> and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned above.

7. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.

8. TENDER BY POST/ HAND/ COURIER RECEIVED ON OR BEFORE THE DUE DATE AND TIME SHALL BE



Tender Number:6000012459

ACCEPTED. POSTAL DELAY/ DELAY BY COURIER SERVICE ETC. SHALL NOT BE CONDONED AFTER THE DUE DATE AND TIME.

9. In the event of any of the above mentioned dates declared as a holiday/closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.

10. The tender documents are not transferable.

sd/-

(S.P. GANDAM)
Manager (TO) & CPSO
FOR GENERAL MANAGER
Security Printing Press,
Saifabad, Hyderabad, Telangana - 500 063
Ph.No.040 - 23253607
FAX: (+) 91-40-2345 6687
Email: spp.hyd@spmcil.com

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.....

(Name Designation, Address telephone number etc
of the officer signing the document)

For and on behalf of

.....

Section II: General Instructions to Tenderers (GIT)

Part 1: General Instructions Applicable to all type of Tenderers

Section II: General Instructions to Tenderer (GIT)

Part I: General Instructions Applicable to all Types of Tenders

A PREAMBLE

1. Introduction

1.1 Definitions and abbreviations, which have been used in these documents, shall have the meanings as indicated in GCC.

1.2 For sake of convenience, whole of this Standard Bidding Document (including all sections) is written in reference to Procurement of Goods Tenders. However this SBD would be utilized for all types of Tenders e.g. EOI, PQB, Rate Contract, Tenders involving Samples, Sale/ Disposal of Scrap Material and Development/ Indigenization etc. Procurement of Services etc. Therefore the construction of all clauses are to be interpreted in the context of particular type of tender beyond the letter of the clause, read with the additional clauses for the specific type of tenders in Part II GIT/ GCC.

1.3 These tender documents have been issued for the requirements mentioned in Section #VI - "List of Requirements", which also indicates, inter-alia, the required delivery schedule and terms & place (i.e. destination) of delivery.

1.4 This section (Section II - "General Instruction Tenderers" - GIT) provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract. With this limited objective, GIT is not intended to be complete by itself and the rest of this document - SIT, GCC and SCC in particular may also be thoroughly studied before filling up the Tender Document. There would be certain topics covered in GIT/SIT as well as in GCC/ SCC from different perspectives. In case of any conflict between these, provisions of GCC/ SCC would prevail.

1.5 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

2. Language of Tender

The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and SPMCIL, shall be written in the Hindi or English language, unless otherwise specified in the Tender. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by Hindi or English translation. For purposes of interpretation of the tender, the English translation shall prevail.

3. Eligible Tenderers

This invitation for tenders is open to all suppliers who fulfill the eligibility criteria specified in these documents. Please refer to Section IX: Qualification/ Eligibility Criteria

4. Eligible Goods and Services

All goods and related services to be supplied under the contract shall have their origin in India or other countries, subject to any restriction imposed in this regard in Section III (SIT). 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.

5. Tendering Expense

The tenderer shall bear all costs and expenditure incurred and/ or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. SPMCIL will, in no case be responsible or liable for any such cost, expenditure etc regardless of the conduct or outcome of the tendering process.

B TENDER DOCUMENTS

6. Content of Tender Documents

6.1 The tender documents includes:

1. Section I - Notice Inviting Tender (NIT)
2. Section II - General Instructions to Tenderers (GIT)
3. Section III - Special Instructions to Tenderers (SIT)
4. Section IV -General Conditions of Contract (GCC)
5. Section V - Special Conditions of Contract (SCC)

6. Section VI - List of Requirements
7. Section VII - Technical Specifications
8. Section VIII - Quality Control Requirements
9. Section IX - Qualification/ Eligibility Criteria
10. Section X - Tender Form
11. Section XI - Price Schedule
12. Section XII - Questionnaire
13. Section XIII - Bank Guarantee Form for EMD
14. Section XIV - Manufacturer's Authorization Form
15. Section XV - Bank Guarantee Form for Performance Security
16. Section XVI - Contract Form
17. Section XVII: Letter of Authority for attending a Bid Opening
18. Section XVIII: Shipping Arrangements for Liner Cargoes
19. Section XIX: Proforma of Bills for Payments

6.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers before formulating the tender and submitting the same to SPMCIL, should read and examine all the terms, conditions, instructions etc. contained in the tender documents. Failure to provide and/ or comply with the required information, instructions etc. incorporated in these tender documents may result in rejection of its tender.

7. Amendments to Tender Documents

7.1 At any time prior to the deadline for submission of tenders, SPMCIL may, for any reason deemed fit by it, modify the tender documents by issuing suitable amendment(s) to it.

7.2 Such an amendment will be notified in writing by registered/ speed post or by fax/ telex/ e-mail, followed by copy of the same by suitable recorded post to all prospective tenderers, which have received the tender documents and will be binding on them.

7.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, SPMCIL may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

8. Pre-Bid conference

If found necessary, a prebid conference may be stipulated in the SIT, for clarification/ amendment to Technical specifications/tech

no-commercial conditions in two bid tender.

9. Clarification of Tender Documents

A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMCIL in writing or by fax / e-mail/ telex. SPMCIL will respond in writing to such request provided the same is received by SPMCIL not later than twenty one days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender. Copies of the query and clarification shall be sent to all prospective bidders who have received the bidding documents.

C PREPARATION OF TENDERS

10. Documents Comprising the Tender

10.1 The tender to be submitted by Tenderer shall contain the following documents, duly filled in, as required:

- a) Tender Form and Price Schedule along with list of deviations (ref Clause 19.19.4) from the clauses of this SBD, if any.
- b) Documentary evidence, as necessary in terms of GIT clauses 3 and 16 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- c) Documents and relevant details to establish in accordance with GIT clause 17 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the tender documents along with list of deviations if any (ref clause 17.17.3 of GIT).
- d) Earnest money furnished in accordance with GIT clause 18.18.1 alternatively, documentary evidence as per GIT clause 18.18.2 for claiming exemption from payment of earnest money. and
- e) Questionnaire as per Section XII.
- f) Manufacturer's Authorization Form (ref Section XIV, if applicable)

NB: The tenderers may also enclose in their tenders, technical literature and other documents as and if considered

necessary by them.

10.2 A tender, that does not fulfill any of the above requirements and/ or gives evasive information/ reply against any such requirement, shall be liable to be ignored and rejected.

10.3 Tender sent by fax/email/ telex/ cable shall be ignored.

11. Tender currencies

11.1 Unless otherwise specified, the tenderer shall quote only in Indian rupees.

11.2 Where the tender condition specifies acceptance of quotations in different currencies, then, for domestic goods, prices shall be quoted in Indian rupees only and for imported goods, prices shall be quoted either in Indian rupees or in the currency stipulated in the SIT, mentioning, inter-alia, the exchange rate adopted for converting foreign currency into Indian Rupees. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees if such services are to be performed / undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and quoted in Indian Rupees only.

11.3 Tenders, where prices are quoted in any other way shall be treated as unresponsive and rejected.

12. Tender Prices

12.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified accordingly by the tenderer.

12.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

12.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.

12.4 While filling up the columns of the price schedule, the following aspects should be noted for compliance:

12.5 For goods offered from within India, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of the goods, quoted ex-factory, ex-showroom, ex-warehouse or off-the-shelf, as applicable, including all taxes and duties like sales tax, VAT, custom duty, excise duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc or on the previously imported goods of foreign origin quoted ex-showroom etc.
- b) Any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded.
- c) Charges towards inland transportation, insurance and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and
- d) The price of incidental services, as and if mentioned in List of Requirements.

12.6 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of goods quoted FAS / FOB port of shipment, CIF port of entry in India or CIF specified place of destination in India as indicated in the List of Requirements.
- b) Wherever applicable, the amount of custom duty and import duty on the goods to be imported.
- c) The charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, as specified in the List of Requirements. and
- d) The charges for incidental services, as and if mentioned in the List of Requirements.

12.7 Additional information and instruction on Duties and Taxes:

If the Tenderer desires to ask for excise duty, sales tax, custom duty etc. to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

12.8 Excise Duty:

a) If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.

b) If a Tenderer chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in statutory variations being denied to the tenderer.

c) Subject to sub clauses 12.8 (a) & (b) above, any change in excise duty upward/ downward as a result of any statutory variation in excise duty taking place within original Delivery Period shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to SPMCIL by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

12.9 Sales Tax/ VAT/ CST/ GST:

If a tenderer asks for sales tax/ VAT/ CST/ GST to be paid extra, the rate and nature of such taxes applicable should be shown separately. Such taxes will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to such taxes and is payable as per the terms of the contract.

12.10 Wherever Value Added Tax is applicable, the following may be noted :

(i) The tenderer should quote the exact percentage of VAT that they will be charging extra.

(ii) While quoting the rates, tenderer should pass on (by way of reduction in prices) the set off/input tax credit that would become available to them by switching over to the system of VAT from the existing system of sales tax, duly stating the quantum of such credit per unit of the item quoted for.

(iii) The tenderer while quoting for tenders should give the following declaration:

"We agree to pass on such additional set off/input tax credit as may become available in future in respect of all the inputs used in the manufacture of the final product on the date of supply under the VAT scheme by way of reduction in price and advise the purchaser accordingly."

iv) The supplier while claiming the payment shall furnish the following certificate to the paying authorities: #We hereby declare that additional set offs/input tax credit to the tune of Rs. _____ has accrued and accordingly the same is being passed on to the purchaser and to that effect the payable amount may be adjusted .

12.11 Octroi and Local Taxes:

Unless otherwise stated in the SIT, the goods supplied against contracts placed by SPMCIL are not exempted from levy of Town Duty, Octroi Duty, Terminal Tax and other Levies of local bodies. In such cases, the supplier should make the payment to avoid delay in supplies and forward the receipt of the same to the purchasing department for reimbursement and, also, for further necessary action.

In cases where exemption is available, suppliers should obtain the exemption certificate from the purchasing department to avoid payment of such levies and taxes.

12.12 Duties/ Taxes on Raw Materials

SPMCIL is not liable for any claim from the supplier on account of fresh imposition and/or increase (including statutory increase) of excise duty, custom duty, sales tax etc. on raw materials and/or components used directly in the manufacture of the contracted goods taking place during the pendency of the contract, unless such liability is specifically agreed to in terms of the contract.

12.13 Imported Stores not liable to Above-mentioned Taxes and Duties:

Above mentioned Taxes and Duties are not leviable on imported Goods and hence would not be reimbursed.

12.14 Customs Duty:

In respect of imported stores offered from abroad, the tenderer shall specify the rate as well as the total amount of customs duty payable. The tenderer shall also indicate the corresponding Indian Customs Tariff Number applicable for the goods in question.

12.14.1. For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 11 shall be followed.

12.14.2. For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 12 shall be followed.

12.14.3. Unless otherwise specifically indicated in this tender document, the terms FOB, FAS, CIF etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

12.14.4. The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 12) is for the purpose of comparison of the tenders by SPMCIL and will no way restrict SPMCIL's right to award the contract on the selected tenderer on any of the terms offered.

13. Indian Agent

If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 11.2 above, shall also furnish the following information:

- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
- b) The details of the services to be rendered by the agent for the subject requirement.

One manufacturer can authorize only one agent/dealer. Also one agent cannot represent more than one supplier or quote on their behalf in a particular tender enquiry. Such quote is likely to be rejected. There can be only one bid from

- a) The principal manufacturer directly or one Indian agent on his behalf
- b) The foreign principal or any of its branch/ division
- c) Indian/ Foreign Agent on behalf of only one Principal.

14. Firm Price / Variable Price

14.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.

14.2 In case the tender documents require offers on variable price basis, the price quoted by the tenderers will be subject to adjustment during original Delivery Period to take care of the changes in the cost of labour and material components in accordance with the price variation formula to be specified in the SIT. If a tenderer submits firm price quotation against the requirement of variable price quotation, that tender will be prima-facie acceptable and considered further, taking price variation asked for by the tenderer as zero.

14.3 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 12 will apply for both firm price tender and variable price tender.

14.4 Subject to provisions of Clause 11 above, where prices are quoted in foreign currencies, involving imports - Foreign Exchange Rate Variation (ERV) would be borne by the Purchaser within the original Delivery Period. The offer of the Tenderer should indicate import content and the currency used for calculating import content.

14.5 Base Exchange rate of each major currency used for calculating FE content of the contract should be indicated. The base date of ERV would be contract date and variation on the base date can be given up to the midpoint manufacture, unless firm has already indicated the time schedule within which material will be imported by the firm.

14.6 In case delivery period is refixed/ extended, ERV will not be admissible, if this is due to default of the supplier.

14.7 Documents for claiming ERV:

- i. A bill of ERV claim enclosing working sheet
- ii. Banker's Certificate/debit advice detailing F.E. paid and exchange rate
- iii. Copies of import order placed on supplier
- iv. Invoice of supplier for the relevant import order

15. Alternative Tenders

Unless otherwise specified in the Schedule of Requirements, alternative tenders shall not be considered.

16. Documents Establishing Tenderer's Eligibility and Qualifications

16.1 Pursuant to GIT clause 10, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

16.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfill the following requirements:

- a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorized by the goods manufacturer to quote for and supply the goods to SPMCIL. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
- b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
- c) In case the tenderer is not doing business in India, it is/ will be duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/ or technical specifications.
- d) In case the tenderer is an Indian agent quoting on behalf of a foreign manufacturer, the Indian agent is already enlisted under the Compulsory Enlistment Scheme of Ministry of Finance, Govt. of India, operated through

Directorate General of Supplies & Disposals (DGS
&D), New Delhi.

17. Documents establishing Goods Conformity to Tender document

17.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by SPMCIL in the tender documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by SPMCIL in the tender documents to establish technical responsiveness of the goods and services offered in its tender.

17.2 In case there is any variation and/ or deviation between the goods & services prescribed by SPMCIL and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity along with justification, and provide the same along with its tender.

17.3 If a tenderer furnishes wrong and/ or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to SPMCIL in this regard.

18. Earnest Money Deposit (EMD)

18.1 Pursuant to GIT clause 10.1(d) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect SPMCIL against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 23.23.2 below.

18.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with DGS

&D or with National Small Industries Corporation, New Delhi all with SPMCIL are exempted from payment of earnest money. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (with DGS&D or NSIC or SPMCIL as the case may be).

18.3 The earnest money shall be denominated in Indian Rupees.

18.4 The earnest money shall be furnished in one of the following forms:

- a) Account Payee Demand Draft or
- b) Fixed Deposit Receipt or
- c) Banker's cheque or
- d) Bank Guarantee, only in the case of Global Tender

The demand draft, fixed deposit receipt or banker's cheque shall be drawn on any scheduled commercial bank in India, in favour of Account specified in the Clause 3 of NIT. In case of bank guarantee, the same is to be provided from/confirmed by any scheduled commercial bank in India as per the format specified under Section XIII in these documents.

18.5 The earnest money shall be valid for a period of forty five days beyond the validity period of the tender.

18.6 Unsuccessful tenderers' earnest monies will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderers' earnest money will be returned without any interest, after receipt of performance security from that tenderer.

18.7 Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful tenderers' earnest money will be forfeited if it fails to furnish the required performance security within the specified period.

19. Tender Validity

19.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 90 days (Ninety days) in case of single bid tender system and 120 days in case of two-bid system after the date of tender opening prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

19.2 In exceptional cases, the tenderers may be requested by SPMCIL to extend the validity of their tenders upto a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/email/ telex/ cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.

19.3 In case the day upto which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for SPMCIL, the tender validity shall automatically be extended upto the next working day.

19.4 Compliance with the Clauses of this Tender Document: Tenderer must comply with all the clauses of this Tender Document. In case there are any deviations, these should be listed in a chart form without any ambiguity

along with justification.

20. Signing and Sealing of Tender

20.1 An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the offer. The individual signing the tender or any other documents connected therewith should clearly indicate his full name and designation and also specify whether he is signing,

(a) As Sole Proprietor of the concern or as attorney of the Sole Proprietor;

(b) As Partner (s) of the firm;

(c) as Director, Manager or Secretary in case the of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.

20.2 The authorized signatory of the tenderer must sign the tender at appropriate places and initial the remaining pages of the tender.

20.3 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 10.

20.4 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate".

20.5 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

20.6 All the copies of the tender shall be duly signed at the appropriate places as indicated in the tender documents and all other pages of the tender including printed literature, if any shall be initialed by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialed by the person(s) signing the tender.

20.7 The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as "Original", "Duplicate" and so on and writing the address of SPMCIL and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before ##### (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, SPMCIL will not assume any responsibility for its misplacement, premature opening, late opening etc.

20.8 For purchasing capital equipment, high value plant, machinery etc. of complex and technical nature, tender document will seek quotation in two parts (Two Bid System)- first part containing the relevant technical details of the equipment / machinery etc., and in the second part, price quotation along with other allied issues. First part will be known as 'Technical Bid', and the second part 'Financial bid'. Tenderer shall seal separately 'Technical Bid' and 'Financial bid' and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and evaluation would be done as described in clause 25.24.4 below. Further details would be given in SIT, if considered necessary.

20.9 If permitted in the SIT, the tenderer may submit its tender through e-tendering procedure.

D SUBMISSION OF TENDERS

21. Submission of Tenders

21.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at a place as indicated in para 1 of NIT. In case of bulky tender, which cannot be put into tender box, the same shall be submitted by the tenderer by hand to the designated officers of SPMCIL, as indicated in clause 1 of NIT. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.

21.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for SPMCIL, the tenders will be received upto the appointed time on the next working day.

22. Late Tender

A tender, which is received after the specified date and time for receipt of tenders will be treated as "late" tender and will be ignored.

23. Alteration and Withdrawal of Tender

23.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

23.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money

furnished by the tenderer in its tender besides other sanctions by SPMCIL.

E TENDER OPENING

24. Opening of Tenders

24.1 SPMCIL will open the tenders at the specified date and time and at the specified place as indicated in clause 1 of NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for SPMCIL, the tenders will be opened at the appointed time and place on the next working day.

24.2 Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority as per the format in SBD XVII from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives# names & signatures and corresponding tenderers# names and addresses.

24.3 During the tender opening, the tender opening official(s) will read the salient features of the tenders like description of the goods offered, price, special discount if any, delivery period, whether earnest money furnished or not and any other special features of the tenders, as deemed fit by the tender opening official(s).

24.4 In the case of two bid system mentioned in clause 20.8 above, the technical bids are to be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the tender document. Thereafter, in the second stage, the financial bids of only the technically acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation. Other financial bids would be returned unopened to the respective bidders under Registered AD/ Reliable Courier or any other mode with proof of delivery.

F SCRUTINY AND EVALUATION OF TENDERS

25. Basic Principle

Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

26. Preliminary Scrutiny of Tenders

26.1 The tenders will first be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document. The tenders, that do not meet the basic requirements, are liable to be treated as unresponsive and ignored.

26.2 The following are some of the important aspects, for which a tender may be declared unresponsive and ignored;

- a) Tender is unsigned.
- b) Tenderer is not eligible.
- c) Tender validity is shorter than the required period.
- d) Required EMD has not been provided.
- e) Tenderer has quoted for goods manufactured by a different firm without the required authority letter from that manufacturer.
- f) Tenderer has not agreed to give the required performance security.
- g) Goods offered are sub-standard, not meeting the required specification etc.
- h) Tenderer has not agreed to essential condition(s) specially incorporated in the tender enquiry.
- i) Against a schedule in the List of Requirement (incorporated in the tender enquiry), the Tenderer has not quoted for the entire requirement as specified in that schedule. (Example: In a schedule, it has been stipulated that the Tenderer will supply the equipment, install and commission it and also train SPMCIL's operators for operating the equipment. The Tenderer has however, quoted only for supply of the equipment).

27. Minor Infirmary/ Irregularity/ Non-Conformity

If during the preliminary examination, SPMCIL find any minor infirmity and/ or irregularity and/ or non-conformity in a tender, SPMCIL 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 tenderers. Wherever necessary, SPMCIL will convey its observation on such #minor# issues to the tenderer by registered/ speed post etc. asking the tenderer to respond by a specified date. If the tenderer 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 ignored.

28. Discrepancy in Prices

28.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless SPMCIL feels that the tenderer has made a mistake in placing the decimal point in the

unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

28.2 If there is an error in a total price, which has been worked out through addition and/ or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

28.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 28.1 and 28.2 above.

28.4 If, as per the judgment of SPMCIL, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of SPMCIL, the tender is liable to be ignored.

29. Discrepancy between original and copies of Tender

In case any discrepancy is observed between the text etc. of the original copy and that in the other copies of the same tender set, the text etc. of the original copy shall prevail. Here also, SPMCIL will convey its observation suitably to the tenderer by register / speed post and, if the tenderer does not accept SPMCIL's observation, that tender will be liable to be ignored.

30. Clarification of Bids

During evaluation and comparison of bids, purchaser may, at its discretion ask the bidder for clarification of its bid. The clarification should be received within 7 days from the bidder from date of receipt of such request. The request for clarification shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the bidder shall be entertained.

31. Qualification/ Eligibility Criteria

Tenders of the tenderers, who do not meet the required qualification/ eligibility criteria prescribed in Section IX, will be treated as unresponsive and will not be considered further.

32. Conversion of tender currencies to Indian Rupees

In case the tender document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the B.C. selling exchange rates established by the State Bank of India for similar transactions, as on the date of tender opening.

33. Schedule-wise Evaluation

In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 12.2, tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts, wherever applicable, will be taken into account to determine the tender or combination of tenders offering the lowest evaluated cost for SPMCIL in deciding the successful tenderer for each schedule, subject to that tenderer(s) being responsive.

34. Comparison on CIF Destination Basis

Unless mentioned otherwise in Section-III # Special Instructions to Tenderers and Section-VI # List of Requirements, the comparison of the responsive tenders shall be on CIF destination basis, duly delivered, commissioned, etc. as the case may be.

35. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders

35.1 Further to GIT Clause 33 above, SPMCIL's evaluation of a tender will include and take into account the following:

a) in the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and

b) In the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/ taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

35.2 SPMCIL's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.

35.3 As per policies of the Government from time to time, the purchaser reserves its option to give price preference to Small Scale Industries in comparison to the large scale Industries. This price preference cannot however be taken for granted and every endeavor need to be made by such firms to bring down cost and achieve competitiveness.

35.4 If the tenders have been invited on variable price basis, the tenders will be evaluated, compared and ranked on the basis of the position as prevailing on the day of tender opening and not on the basis of any future date.

36. Tenderer's capability to perform the contract

36.1 SPMCIL, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.

36.2 The above mentioned determination will, inter-alia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of SPMCIL as incorporated in the tender document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by SPMCIL.

37. Cartel Formation/ Pool Rates

Cartel formation or quotation of Pool/ Co-ordinated rates, leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified in Competition Act, 2002, as amended by Competition (Amendment) Act, 2007, would be considered as a serious misdemeanor and would be dealt accordingly as per Clause 44 below.

38. Negotiations

Normally there would be no price negotiations. But SPMCIL reserves its right to negotiate with the lowest acceptable bidder (L1), who is technically cleared/approved for supply of bulk quantity and on whom the contract would have been placed but for the decision to negotiate, under special circumstances in accordance with CVC guidelines i.e. Normally there should be no negotiation. Selection of contractors by negotiations should be a rare exception rather than the rule and may be resorted to only in the exceptional circumstances under the following circumstances:--

- a. Where the procurement is done on proprietary basis
- b. Items to be procured are supplied by only a limited sources of supply
- c. Items where there is suspicion of cartel formation.

39. Contacting SPMCIL

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

39.2. It will be treated as a serious misdemeanor in case a tenderer attempts to influence SPMCIL's decision on scrutiny, comparison, evaluation and award of the contracts. In such a case the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by SPMCIL, in terms of clause 44 of GIT.

G AWARD OF CONTRACT

40. SPMCIL's Right to Accept any Tender and to Reject any or All Tenders

SPMCIL 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 tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

41. Award Criteria

Subject to GIT clause 36 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by SPMCIL in terms of GIT Clause 34.

42. Variation of Quantities at the Time of Award

No variation of quantities at the time of awarding the contract.

43. Parallel Contracts

SPMCIL reserves its right to conclude Parallel contracts, with more than one bidder (for the same tender). If this is foreseen at the time of Tendering, a clause would be included in SIT giving further details.

44. Serious Misdemeanors

44.1. Following would be considered serious misdemeanors:

- i. Submission of misleading/ false/ fraudulent information/ documents by the bidder in their bid
- ii. Submission of fraudulent/ unencashable Financial Instruments stipulated under Tender or Contract Condition.
- iii. Violation of Code of Ethics laid down in Clause 32 of the GCC.
- iv. Cartel formation or quotation of Pool/ Co-ordinated rates leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified under the Competition Act, 2002.
- v. Deliberate attempts to pass off inferior goods or short quantities.
- vi. Violation of Fall Clause by Rate Contract holding Firms.
- vii. Attempts to influence SPMCIL's Decisions on scrutiny, comparison, evaluation and award of Tender.

44.2. Besides, suitable administrative actions, like rejecting the offers or delisting of registered firms, SPMCIL

would ban/ blacklist Tenderers committing such misdemeanor, including declaring them ineligible to be awarded SPMCIL contracts for indefinite or for a stated period.

45. Notification of Award

45.1 Before expiry of the tender validity period, SPMCIL will notify the successful tenderer(s) in writing, by registered / speed post or by fax/email / telex/ cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by SPMCIL, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to SPMCIL the required performance security within twenty one days from the date of this notification. Relevant details about the performance security have been provided under GCC Clause 6 under Section IV.

45.2 The notification of award shall constitute the conclusion of the contract.

46. Issue of Contract

46.1 Within seven working days of receipt of performance security, SPMCIL will send the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

46.2 Within seven days from the date of issue of the contract, the successful tenderer will return the original copy of the contract, duly signed and dated, to SPMCIL by registered / speed post.

47. Non-receipt of Performance Security and Contract by SPMCIL

Failure of the successful tenderer in providing performance security within 21 days of receipt of notification of award and / or returning contract copy duly signed in terms of GIT clauses 45 and 46 above shall make the tenderer liable for forfeiture of its EMD and, also, for further sanctions by SPMCIL against it.

48. Return of EMD

The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 18.6.

49. Publication of Tender Result

The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the notice board/ bulletin/ web site of SPMCIL.

Section II: General Instructions to Tenderers (GIT)

Part II: Additional General Instructions Applicable to Specific type of Tenderers

Part II: Additional General Instructions Applicable to Specific Types of Tenderers:

50. Rate Contract Tenders

50.1 In addition to GIT in Part I above, following GIT will be applicable to rate contract Tenders:

- i. Earnest Money Deposit (EMD) is not applicable.
- ii. In the Schedule of Requirement, no commitment of quantity is mentioned; only the anticipated requirement is mentioned without any commitment.
- iii. SPMCIL reserves the right to conclude more than one rate contract for the same item.
- iv. Unless otherwise specified in SIT, the currency of a Rate Contract would normally be for one year.
- v. During the currency of the Rate Contract, SPMCIL may withdraw the rate contract by serving suitable notice. The prescribed notice period is generally thirty days.
- vi. During the currency of the Rate Contract, SPMCIL would have the option to renegotiate the price with the rate contract holders.
- vii. During the currency of the Rate Contract, in case of emergency, SPMCIL may purchase the same item through ad hoc contract with a new supplier.
- viii. Usually, the terms of delivery in rate contracts are FOR dispatching station.
- ix. Supply orders, incorporating definite quantity of goods to be supplied along with all other required conditions following the rate contract terms, will be issued by nominated Direct Demanding Officers (DDO) for obtaining supplies through the rate contract.
- x. SPMCIL is entitled to place supply orders up to the last day of the validity of the rate contract and, though supplies against such supply orders will be affected beyond the validity period of the rate contract, all such supply will be guided by the terms & conditions of the rate contract.
- xi. The rate contract will be guided by #Fall Clause# as described below.

50.2 Fall Clause

If the rate contract holder reduces its price or sells or even offers to sell the rate contracted goods, following conditions of sale similar to those of the rate contract, at a price lower than the rate contract price, to any person or organization during the currency of the rate contract, the rate contract price will be automatically reduced with effect from that date for all the subsequent supplies under the rate contract and the rate contract amended accordingly. Any violation of the fall clause would be considered a serious misdemeanor under clause 44 of the GIT and action, as appropriate, would be taken as per provision of that clause.

50.3 Performance Security

Value of Performance Security would be stipulated in the SIT. Performance Security shall, however, not be demanded again in the individual supply orders issued subsequently against rate contracts.

50.4 Renewal of Rate Contracts

In case, it is not possible to conclude new rate contracts before the expiry of existing ones, due to some special reasons, the existing rate contracts would be extended with same terms, conditions etc for a suitable period, with the consent of the rate contract holders. Rate contracts of the firms, who do not agree to such extension, will be left out. Period of such extension would generally not be more than three months.

51. Prequalification Bidding

51.1 Prequalification Bidding is for short listing of qualified Bidders who fulfill the Prequalification criteria as laid down in SIT or in Section IX of SBD # #Qualification Criteria# for procurement of Goods or Services as listed in Section VI of SBD # #List of Requirements#. Shortlisted Bidders would be informed of their qualification and short listing in accordance with the stipulations laid down in the SIT. Unless otherwise stipulated in the SIT the PQB short listing would be valid only till the next procurement tender. Further conditions will be elaborated in the SIT.

51.2 If stipulated in the SIT, only these shortlisted qualified bidders would be invited to participate in the Procurement of the requirements. Otherwise SIT may also indicate that instead of floating a separate PQB tender, it may be combined with the Procurement Tender, as a three bid tender. Initially the first Packet containing PQB would be opened and evaluation would be done. Thereafter the rest of tender would be handled as a two bid system for only those bidders who succeed in PQB.

52. Tenders involving Samples

52.1 Normally no sample would be called along with the offer for evaluation.

52.2 Purchaser's Samples: If indicated in the SIT, A Purchaser's sample may be displayed to indicate required characteristics over and above the Specifications for perusal of the bidders. Name and Designation of the Custodian, Place, Dates and Time of inspection of Purchaser's sample will be indicated in the SIT. The supplies in the contract will have to meet the indicated required characteristics for which the Purchaser's sample was displayed, besides meeting the specification listed in Section VII # #Technical Specifications# of the SBD. He would be issued a sealed Purchaser's sample for the purpose at the time of award of the contract.

52.3 Pre-Production Samples: If stipulated in SIT, successful contractor would be required to submit a Pre-Production sample(s) to the Inspecting Officer/ or the nominated authority mentioned in the contract within the time specified therein. If the Contractor is unable to do so, he must apply immediately to the Office issuing the acceptance of tender for extension of time stating the reasons for the delay. If the Purchaser is satisfied that a reasonable ground for an extension of time exists, he may allow such additional time as he considers to be justified (and his decision shall be final) with or without alteration in the delivery period stipulated in the contract and on such conditions as he deems fit. In the event of the failure of the Contractor to deliver the pre-production sample by the date specified in the acceptance of tender or any other date to which the time may be extended as aforesaid by the Purchaser or of the rejection of the sample, the Purchaser shall be entitled to cancel the contract and, if so desired, purchase or authorize the purchase of the stores at the risk and cost of the Contractor (unless specified otherwise in the SIT). In such an event, in case of Security Items where urgency develops due to such delays, SPMCIL reserves its right to procure not more than one year's requirement against this #Risk & Cost# tender from existing pre-qualified and security cleared firms. Bulk production and supply will only be allowed if this sample(s) pass the Tests laid down in the Section VIII # #Quality Control Requirements# in the SBD.

52.4 Testing of Samples: Tests, procedures and testing laboratories for testing samples would be detailed in the Section VIII # #Quality Control Requirements# in the SBD.

52.5 Validation/ Prolonged Trials: If specified in SIT or in the Section VIII # #Quality Control Requirements# in the SBD, pre-production samples may have to undergo validation or extended trial before their performance can be declared satisfactory.

52.6 Parameters Settings and duration of Validation Tests would be indicated in the Section VIII # #Quality Control Requirements# in the SBD. It would also stipulate the period or event marking end of validation trials. It would also be indicated therein whether the Permission to start bulk production will have to wait full validation or it can go on in parallel.

53. Expression of Interest (EOI) Tenders:

53.1 EOI tenders are floated for short listing firms who are willing and qualified for: -

- i. Registration of Vendors for Supply of particular Stores or certain categories of Stores.
- ii. Development of new items or Indigenization of Imported stores

53.2 The qualification /eligibility criteria required and the format of submission of such Data would be indicated in the Section IX # #Qualification Criteria# in the SBD.

53.3 Objectives and scope of requirement would be indicated in the Section VI # #List of Requirements# in the SBD. Indicative quantity required yearly and its future requirements would also be indicated.

53.4 In case of EOI for Development of new Items or for Indigenization, prospective firms would be given opportunity to inspect the Machine/ Item at the place of installation at the place, dates and Time mentioned in SIT.

53.5 In case EOI is for registration of vendors, Registration Fees and validity period of registration would be detailed in the SIT.

53.6 Short List of Suppliers: The suppliers shall be evaluated for short listing, inter-alia, based on their past experience of supplying goods in similar context, financial strength, technical capabilities etc. Each supplier will be assigned scores based on weightages assigned to each of the criteria mentioned in the Section IX # #Qualification Criteria# in the SBD.

53.7 If stipulated in the SIT, the Firm's capacity and Capability may be assessed by a nominated Committee or by a third party nominated by SPMCIL.

53.8 All suppliers who secure the minimum required marks (normally 50% unless otherwise specified in the Section

IX) would be short listed. Section IX may alternatively specify minimum qualifying requirement for each of the criteria i.e. minimum years of experience, minimum number of assignments executed, minimum turnover etc. Under such circumstances, all suppliers who meet the minimum requirement, as specified, will be short listed.

53.9 In case of EOI for registration of vendors, registration letters would be issued to the shortlisted tenderers.

53.10 In case of EOI for development/ indigenization, these shortlisted tenderers would only be allowed to participate in the subsequent development/ indigenization tenders.

54. Tenders For Disposal of Scrap:

54.1 Introduction: The tender is for Sale of Scrap material lying at various locations. Details of scrap for sale including Description, Present Condition, Lot Size and its Location would be given in the Section VI # #List of Requirements#.

54.2 #As Is; Where Is; Whatever Is#Basis of This Sale:

54.2.1 This sale of Scrap is strictly on #As Is; Where Is; Whatever Is# basis. Tenderer must satisfy himself on all matters with regard to quality, quantity; nature of stores etc., before tendering as no complaint or representation of any kind shall be entertained after the sale contract is concluded.

54.2.2 The description of lot in the particulars of sale has been given for the purpose of identification thereof only and the use of such description shall not constitute the sale thereof to be sale by description and no sale shall be invalid by reason of any defect or deviation or variation in any lot or on account of any lot not being exactly described and the purchaser shall not be entitled to claim any damage or compensation whatsoever on account of such fault, error in description, weight or the like.

54.2.3 All quantities of scrap whether by weight or measurement mentioned in the Tender notice are only approximate and should the quantity , on actual weight or measurement basis as the case may be and whenever delivered on such basis, works out less than the advertised and /or projected quantity, the SPMCIL shall not under any circumstances be liable to make good any such deficiency

54.2.4 SPMCIL reserves right to increase or decrease the quantity of any item or items or terminate the contract at any stage by giving one week's notice. No claim whatsoever shall lie against the SPMCIL on account of such termination of the contract or variation in the quantity.

54.2.5 SPMCIL shall have the right to remove certain items which it feels were not intended for sale but were inadvertently made a part of the scrap material or of the lot offered for sale lying at the premises or were joined or attached to the material offered for sale.

54.2.6 Tenderers desirous of purchasing and participating in the tender must visit the site before submitting the offer, after taking due permission from the concerned Stock Holders. The Tenderers submitting the offers shall be deemed to have visited the site and acquainted themselves thoroughly with materials intended for sale in all respect.

54.2.7 Any person giving offer shall be deemed to have made himself fully conversant with the Terms and Conditions of the Tender Sale, as well as the location and condition of the materials being sold and shall be deemed to have agreed to all the stated terms and conditions herein under.

54.3 Submission of Offer:

54.3.1 Unless specified otherwise in the SIT, tenders shall hold good for acceptance for a minimum period of 90 days (ninety days) from the date of opening of the tenders. The offers of the tenderers shall be irrevocable.

54.3.2 The SPMCIL reserves right to reject any offer without assigning any reason therefor.

54.3.3 Unless otherwise stated in the SIT, the amount of EMD in such tenders would be 5% of the value of the tender. The Earnest Money shall be forfeited if the tenderer unilaterally withdraws, amends, impairs or derogates from his offer in any respect within the period of validity of his offer.

54.3.4 If the offer of the tenderer is not accepted by the SPMCIL, the Earnest Money deposit made by the tenderer shall be refunded to him. No interest shall be payable on such refunds. The EMD deposited by the successful tenderer shall remain with the SPMCIL till payment of the security deposit (SD) money, as stipulated in relevant Clause, has been made. It may be adjusted as part of the total SD money at the discretion of the SPMCIL.

54.3.5 Commercial tax/terminal tax, Octroi, municipal tax or any other taxes/duties etc. whatever in force shall be payable extra by the purchaser as per rules applicable to SPMCIL. Current and valid PAN and sales/commercial tax registration number wherever applicable must be provided in the Bid of the Tenderer.

54.3.6 All arrangement for lifting and transportation of scrap material, including manpower, crane, transport vehicle and trolley etc, if required shall be made by the purchaser concerned only and the SPMCIL shall not provide or help in providing any such arrangements and the rate quoted by the purchaser must include such and all

incidental charges.

54.3.7 Registered dealers who are exempted from payment of Sales Tax must submit copies of their Registration certificate of concerned authority and shall be required to submit necessary form duly completed in all respect to SPMCIL or its representatives before obtaining delivery order, duly signed by the partner of the firm or the person authorized to do so.

54.3.8 Evaluation of tenders for Disposal of scrap will be done on similar basis as Tenders for Procurement of Goods, except that the selection of the bidders shall be on the basis of the highest responsive Bidder (H1). In case full quantity is not offered to be taken by the Highest Bidder, parallel contracts would be placed.

54.4 Notification of Acceptance and Award of Contract:

54.4.1 The successful tenderer, herein after referred to as purchasers, shall have to submit security deposit (SD) @ 10% of the total sale value of the contract within 5 working days of issue of the sale contract (excluding the date of issue of sale contract). The SD shall be deposited in the form of bank draft/pay order, drawn on any nationalized or recognized bank in favour of SPMCIL as mentioned in clause 3 of NIT in connection with EMD.

54.4.2 The purchaser has to pay balance payment within 20 days from the date of notification of acceptance, which is to be issued by SPMCIL or his authorized representative, in form of Bank draft drawn on any nationalized or recognized bank in favor of same authority as mentioned above. In case of any, default to deposit balance payment, SPMCIL reserves right to terminate the contract and forfeit the security deposit.

54.5 Disposal Tenders for Security and Sensitive Machinery and Items:

54.5.1 Non-Misuse Declaration: The bidder is required to give an undertaking that he or his employees or legal heirs will ensure that such items purchased from SPMCIL, will be utilized only for scrap recovery and will not be misused for any other purpose. He will also ensure that this undertaking is honoured and it got underwritten from further down the line scrap processors/ re-purchasers, if any. In case his firm changes hands, it will be his responsibility to ensure that the new owners honour and underwrite this undertaking.

54.5.2 If stipulated in SIT delivery would be given only in dis-mantled/ cut-up condition.

55. Development and Indigenization Tenders:

55.1 Already developed firms or firms who have already received development orders for the item (with whatever results) would not be considered in such tenders.

55.2 If specified in SIT the contract documents may be issued free of cost, and submission of earnest money deposit and security deposit may be relaxed.

55.3 If specified in SIT, The Tenderers may quote separately for

- i. Price/rate for bulk supply of item in development/indigenization supplies and
- ii. Separately, cost of development including cost of pre-production samples. Firms would be paid only for the number of samples specified in the Tender. If he has to manufacture more samples due to failure of earlier one, he would not be paid for it.

55.4 L1 would be determined on the basis of rate of item quoted including reference to total cost of the development cost (including the cost of prototype) plus the notional total cost of quantities that will be required over next three years, wherever applicable.

55.5 Development contracts may, as far as feasible, be concluded with two or more contractors in parallel.

55.6 The ratio of splitting of the supply order between various development agencies/firms in cases of parallel development, including criteria thereof, would be specified in the SIT.

55.7 However, in case the requirement is meager and complex technology is involved, or quantity of the equipment/ spares is limited/small/ uneconomic if distributed between two vendors, the entire order could be placed upon the L1 vendor only.

55.8 If specified in SIT, Advance and Intermediate Payment to Suppliers may be allowed.

55.9 Quantity for Development Commitment

In Next three years, after the newly developed firm is able to successfully complete Development orders with +/-5% tolerance, 20% of annual quantity requirement may be reserved for Newly Developed firms.

55.10 Period of Development Commitment

A newly developed firm would be granted this facility till only three years after completing the initial Development order. However this facility is not a bar to the firm from competing with already established firms for quantities larger than 20% provided their prices and performance so warrant. Thereafter they would have to compete on equal terms with other already developed firms.

Section III: Specific Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

(Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit.)

Sr No	GIT Clause No.	Topic	SIT Provision
01	4	Eligible Goods and Services (Origin of Goods)	As Applicable
02	8	Prebid Conference	16-03-2019 at 11.00 AM at Admin Block, SPP, Hyderabad
03	9	Time Limit for receiving request for clarification of Tender Documents	Within 21 days from the date of uploading of the tender
04	11.2	Tender Currency	INR Supplier is requested to quote price within 2 Decimal place.Quotation with price quote beyond 2 decimal place is ignored.
06	14	PVC Clause & Formula	No price variation will be permitted.
07	19	Tender Validity	165 days
08	20.4	Number of Copies of Tenders to be submitted	02 copies, one original and one duplicate to be submitted.
09	20.9	E-Procurement	Not Applicable
10	35.2	Additional Factors for Evaluation of Offers	Not Applicable
11	43	Parallel Contracts	Not Applicable
12	50.1, 50.3	Tender For rate Contracts	Not Applicable
13	51.1, 51.2	PQB Tenders	As per Section IX
14	52.1, 52.3, 52.5	Tenders involving Purchaser#s and Pre-Production Samples	Not Applicable
15	53.4, 53.5, 53.7	EOI Tenders	Not Applicable
16	54.3.1, 54.5.2	Tenders for Disposal of Scrap	Not Applicable
17	55.2, 55.3, 55.7, 55.8	Development/ Indigenization Tenders	Not Applicable

Section IV: General Conditions of Contract (GCC)

Part I: General Conditions of Contract applicable to all types of Tenders

1. Definitions; Interpretation and Abbreviations: In the contract, unless the context otherwise requires:

1.1 Definitions and Interpretation:

- (i) "Contract" means the letter or memorandum communicating to the Contractor the acceptance of this tender and includes "Intimation of Award" of his tender; "Contract" includes and Bid Invitation, Instructions to Tenderers, Tender, Acceptance of Tender, General Conditions of Contract, Schedule of Requirements, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the Contractor and a formal agreement, if executed;
- (ii) "Contractor" or "Supplier" means the individual or the firm supplying the goods and services. The term includes his employees, agents, successors, authorized dealers, stockists and distributors. Other homologous terms are: Vendor, Firm, Manufacturer, OEM etc.;
- (iii) "Drawing" means the drawing or drawings specified in or annexed to the Specifications;
- (iv) "Government" means the Central Government or a State Government as the case may be;
- (v) The "Inspecting Officer" means the person, or organisation specified in the contract for the purpose of inspection of stores of work under the contract and includes his/their authorised representative;
- (vi) "Purchase Officer" means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser;
- (vii) The "Purchaser" means SPMCIL # the organization purchasing goods and services as incorporated in the documents;
- (viii) "Signed" includes stamped, except in the case of an acceptance of tender or any amendment thereof;
- (ix) "Test" means such test as is prescribed by the particulars or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting Officer;
- (x) The delivery of the stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract, after approval by the Inspecting Officer if so provided in the contract #
 - a. The consignee at his premises; or
 - b. Where so provided, the interim consignee at his premises; or
 - c. A carrier or other person named in the contract for the purpose of transmission to the consignee: or
 - d. The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.
- (xi) "Writing" or "Written" includes matter either in whole or in part, in manuscript, typewritten, lithographed, cyclostyled, photographed or printed under or over signature or seal, as the case may be.
- (xii) Words in the singular include the plural and vice-versa.
- (xiii) Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
- (xiv) #The heading of these conditions shall not affect the interpretation or construction thereof.
- (xv) Terms and expression not herein defined shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 (as amended) or the Indian Contract Act, 1872 (as amended) or the General Clauses Act, 1897 (as amended) as the case may be.
- (xvi) PARTIES: The parties to the contract are the "Contractor" and the "Purchaser", as defined above;
- (xvii) "Tender" means quotation / bid received from a firm / supplier.
- (xviii) "Goods" means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, industrial plant etc. which the supplier is required to supply to SPMCIL under the contract. Other homologous terms are: Stores, Materials etc.
- (xix) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (xx) "Earnest Money Deposit" (EMD) means monetary guarantee to be furnished by a Tenderer along with its tender.
- (xxi) "Performance Security" means monetary guarantee to be furnished by the successful Tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit or Performance Bank Guarantee.
- (xxii) "Consignee" means the person to whom the goods are required to be delivered as specified in the Contract. If

the goods are required to be delivered to a person as an interim consignee for the purpose of dispatch to another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.

(xxiii) "Specification" or "Technical Specification" means the drawing/ document/ standard that prescribes the requirement to which product or service has to conform.

(xxiv) "Inspection" means activities such as measuring, examining, testing, analyzing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.

(xxv) "Day" means calendar day.

1.2 Abbreviations:

"AAEC" means "Appreciable Adverse Effect on Competition" as per Competition Act"AAEC" means

"Appreciable Adverse Effect on Competition" as per Competition Act

"BG" means Bank Guarantee"BG" means Bank Guarantee

"BL or B/L" means Bill of Lading"BL or B/L" means Bill of Lading

"CD" means Custom Duty"CD" means Custom Duty

"CIF" means Cost, Insurance and Freight Included"CIF" means Cost, Insurance and Freight Included

"CMD" means Chairman and Managing Director"CMD" means Chairman and Managing Director

"CPSU" means Central Public Sector Undertaking"CPSU" means Central Public Sector Undertaking

"CST" means Central Sales Tax"CST" means Central Sales Tax

"DDO" means Direct Demanding Officer in Rate Contracts"DDO" means Direct Demanding Officer in Rate

Contracts

"DGS&D" means Directorate General of Supplies and Disposals"DGS&D" means Directorate General of Supplies and Disposals

"DP" means Delivery Period"DP" means Delivery Period

"ECS" means Electronic clearing system"ECS" means Electronic clearing system

"ED" means Excise Duty"ED" means Excise Duty

"EMD" means Earnest money deposit"EMD" means Earnest money deposit

"EOI" means Expression of Interest (Tendering System)"EOI" means Expression of Interest (Tendering System)

"ERV" means Exchange rate variations"ERV" means Exchange rate variations

"FAS" means Free alongside shipment"FAS" means Free alongside shipment

"FOB" means Freight on Board"FOB" means Freight on Board

"FOR" means Free on Rail"FOR" means Free on Rail

"GCC" means General Conditions of Contract"GCC" means General Conditions of Contract

"GIT" means General Instructions to Tenderers"GIT" means General Instructions to Tenderers

"GST" means Goods and Services Tax which will replace Sales Tax"GST" means Goods and Services Tax which will replace Sales Tax

"H1, H2 etc" means First Highest, Second Highest Offers etc in Disposal Tenders"H1, H2 etc" means First Highest, Second Highest Offers etc in Disposal Tenders

"Incoterms" means International Commercial Terms, 2000 (of ICC)"Incoterms" means International Commercial Terms, 2000 (of ICC)

"L1, L2 etc" means First or second Lowest Offer etc."L1, L2 etc" means First or second Lowest Offer etc.

"LC" means Letter of Credit"LC" means Letter of Credit

"LD or L/D" means Liquidated Damages"LD or L/D" means Liquidated Damages

"LSI" means Large Scale Industry"LSI" means Large Scale Industry

"NIT" means Notice Inviting Tenders."NIT" means Notice Inviting Tenders.

"NSIC" means National small industries corporation"NSIC" means National small industries corporation

"PQB" means Pre qualification bidding"PQB" means Pre qualification bidding

"PSU" means Public Sector Undertaking"PSU" means Public Sector Undertaking

"PVC" means Price variation clause"PVC" means Price variation clause

"RC" means Rate contract"RC" means Rate contract

"RR or R/R" means Railway Receipt"RR or R/R" means Railway Receipt

"SBD" or

"T E Document" means (Standard) BID / Tender Document

"T E Document" means (Standard) BID / Tender Document

"SCC" means Special Conditions of Contract"SCC" means Special Conditions of Contract

"SIT" means Special Instructions to Tenderers"SIT" means Special Instructions to Tenderers

"SPMCIL" means Security Printing and Minting Corporation Limited"SPMCIL" means Security Printing and Minting Corporation Limited

"SSI" means Small Scale Industry"SSI" means Small Scale Industry

"ST" means Sales Tax"ST" means Sales Tax

"VAT" means Value Added Tax which is due to replace Sales Tax and CST"VAT" means Value Added Tax which is due to replace Sales Tax and CST

2. Application

2.1. The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract (SCC) prescribed under Section V of this document.

2.2. General Conditions of the contract shall not be changed from one tender to other.

2.3. Other Laws and Conditions That will Govern the Contract:

Besides GCC and SCC following conditions and Laws will also be applicable and would be considered as part of the contract:

- i. Indian Contracts Act, 1872
- ii. Sale of Goods Act, 1930
- iii. Arbitration and Conciliation Act, 1996
- iv. Competition Act, 2002 as amended by Competition (Amendment Act), 2007
- v. Contractor's Tender Submissions including Revised Offer during Negotiations if any
- vi. Conditions in other parts of the Tender Documents
- vii. Correspondence including counter-offers if any; between the Contactor and SPMCIL during the Tender Finalization
- viii. Notification of award and Contract Documents
- ix. Subsequent Amendments to the Contract

3. Use of contract documents and information

3.1. The supplier shall not, without SPMCIL's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of SPMCIL in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this tender document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.

3.2. During the process of procurement of Security or Sensitive Machinery and Items, Tender Documents and the specifications/ drawings of such items would be issued only to Vendors having security clearance within the validity of such clearance and he shall maintain absolute secrecy and strictly control the number of copies and access to the documents and copies thereof, in addition to safeguards mentioned in sub-para above.

3.3. Further, the supplier shall not, without SPMCIL's prior written consent, make use of any document or information mentioned in GCC sub-clause 3.1 above except for the sole purpose of performing this contract.

3.4. Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 3.1 above shall remain the property of SPMCIL and, if advised by SPMCIL, all copies of all such documents shall be returned to SPMCIL on completion of the supplier's performance and obligations under this contract.

4. Patent Rights

4.1. The supplier shall, at all times, indemnify SPMCIL, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against SPMCIL, SPMCIL shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to SPMCIL.

5. Country of Origin

5.1. All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

5.2. The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.

6. Performance Bond/ Security

6.1. Within twenty-one days after the issue of notification of award by SPMCIL, the supplier shall furnish performance security to SPMCIL for an amount equal to ten per cent of the total value of the contract, valid up to sixty days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

6.2. The Performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms:

- a) Account Payee Demand Draft or Fixed Deposit Receipt drawn on any commercial bank in India, in favour of the same official of SPMCIL as indicated in the clause 3 of NIT in reference to EMD.
- b) Bank Guarantee issued by a commercial bank in India, in the prescribed form as provided in section XV of this document.

6.3. In the event of any loss due to supplier's failure to fulfill its obligations in terms of the contract, the amount of the performance security shall be payable to SPMCIL to compensate SPMCIL for the same.

6.4. In the event of any amendment issued to the contract, the supplier shall, within twenty-one 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.

6.5. Subject to GCC sub-clause 6.3 above, SPMCIL will release the performance security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations.

7. Technical Specifications and Standards

7.1. The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' and 'Quality Control Requirements' under Sections VII and VIII of this document.

8. Packing and Marking

8.1. The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit upto final destination as per the contract.

8.2. The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

8.3. Packing instructions:

Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a) contract number and date
- b) brief description of goods including quantity
- c) packing list reference number
- d) country of origin of goods
- e) consignee's name and full address and
- f) supplier's name and address

9. Inspection and Quality Control

9.1. SPMCIL and/ or its nominated representative(s) will, without any extra cost to SPMCIL, inspect and/ or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. SPMCIL shall inform the supplier in advance, in writing, SPMCIL's programme for such inspection and, also the identity of the officials to be deputed for this purpose.

9.2. The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to SPMCIL's inspector at no charge to SPMCIL.

9.3. If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, SPMCIL's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to SPMCIL and resubmit the same to SPMCIL's inspector for conducting the inspections and tests again.

9.4. In case the contract stipulates pre-despatch inspection of the ordered goods at suppliers premises, the supplier shall put up the goods for such inspection to SPMCIL's inspector well ahead of the contractual delivery period, so that SPMCIL's inspector is able to complete the inspection within the contractual delivery period.

9.5. If the supplier tenders the goods to SPMCIL's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to SPMCIL under the terms & conditions of the contract.

9.6. SPMCIL's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by SPMCIL's inspector during pre-despatch inspection mentioned above.

9.7. Goods accepted by SPMCIL and/ or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute SPMCIL's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 16.

10. Terms of Delivery

10.1. Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

11. Transportation of Goods

11.1. The supplier shall not arrange part-shipments and/ or transshipment without the express/ prior written consent of SPMCIL.

11.2. Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement: In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.

11.3. Shipping Arrangement for Foreign Contracts: In the case of FOB/FAS contracts, shipping arrangements shall be made by the Ministry of Shipping & Transport (Chartering Wing), New Delhi, INDIA, in accordance with details given in SBD Section XVIII. The Contractor shall give adequate, notice to the Forwarding Agents/Nominees about the readiness of the cargo from time to time and at least six weeks' notice in advance of the required position for finalising the shipping arrangements. In the case of C&F contracts, the Contractor shall arrange shipment in accordance with the requirements of the Ministry of Shipping & Transport, New Delhi, INDIA, indicated in the same SBD section (as applicable).

12. Insurance:

12.2 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

12.3 In case of supply of domestic goods on CIF destination basis, the supplier shall be responsible till the entire stores contracted for arrive in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured. The insurance cover shall be obtained by the Supplier in its own name and not in the name of SPMCIL or its Consignee.

12.4 In the case of FOB and C&F offers for import of Goods, insurance shall be arranged by the Purchaser. However, the supplier must give sufficient notice to the Purchaser prior to the date of shipment, so that the Insurance Cover for the shipment can be activated. The Supplier must co-ordinate so as to ensure that the Shipment sails only with Insurance cover in place.

12.5 In case of Import of Goods, even in case where the insurance is paid by the Purchaser, and loss or damage shall be made good by the Contractor free of cost, without waiting for the settlement of insurance claim. The payment after settlement of insurance claim shall be reimbursed by the Purchaser to the Contractor. It will be entirely the responsibility of the Contractor to make good loss/damage without waiting for settlement of insurance claim so that machine is commissioned within the time specified in the contract.

13. Spare parts

13.1. If specified in the List of Requirements and in the resultant contract, the supplier shall supply/ provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/ or supplied by the

supplier:

a) The spare parts as selected by SPMCIL to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and

b) In case the production of the spare parts is discontinued:

i. sufficient advance notice to SPMCIL before such discontinuation to provide adequate time to SPMCIL to purchase the required spare parts etc., and

ii. immediately following such discontinuation, providing SPMCIL, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by SPMCIL.

13.2. Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to SPMCIL promptly on receipt of order from SPMCIL.

14. Incidental services

14.1. Subject to the stipulation, if any, in the SCC (Section-V) and the Technical Specification (Section # VII), the supplier shall be required to perform any or all of the following services.

a) Providing required jigs and tools for assembly, start-up and maintenance of the goods

b) Supplying required number of operation & maintenance manual for the goods

c) Installation and commissioning of the goods

d) Training of SPMCIL's operators for operating and maintaining the goods

e) Providing after sales service during the tenure of the contract

f) Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract

14.2. Prices to be paid to the supplier by SPMCIL for any of the required incidental services, if not already included in the contract price during the placement of the contract, shall be settled and decided in advance by SPMCIL and the supplier. However, such prices shall not exceed the contemporary rates charged by the supplier to other customers for similar services.

15. Distribution of Despatch Documents for Clearance/ Receipt of Goods

15.1. The supplier shall send all the relevant despatch documents well in time to SPMCIL to enable SPMCIL to clear or receive (as the case may be) the goods in terms of the contract. Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows:

15.2. For Domestic Goods, including goods already imported by the supplier under its own arrangement Within 24 hours of despatch, the supplier shall notify SPMCIL, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):

(a) Supplier's Invoice indicating, inter alia description and specification of the goods, quantity, unit price, total value;

(b) Packing list;

(c) Insurance certificate;

(d) Railway receipt/ Consignment note;

(e) Manufacturer's guarantee certificate and in-house inspection certificate;

(f) Inspection certificate issued by SPMCIL's inspector

(g) Expected date of arrival of goods at destination and

(h) Any other document(s), as and if specifically mentioned in the contract.

15.3. For Imported Goods, within 3 days of dispatch, the supplier will Notify SPMCIL, consignee and other concerned if mentioned in the contract, the complete details of dispatch and also supply the following documents to them by Courier (or as instructed in the Contract), besides advance intimation by Fax/ email:

(a) Clean on Board Airway Bill/Bill of Lading (B/L)

(b) Original Invoice

(c) Packing List

(d) Certificate of Origin from Seller's Chamber of Commerce

(e) Certificate of Quality and current manufacture from OEM

(f) Dangerous Cargo Certificate, if any.

(g) Insurance Policy of 110% if CIF/CIF contract.

(h) Performance Bond/Warranty Certificate

16. Warranty

16.1. The supplier warrants that the goods supplied under the contract is new, unused and incorporate all

recent improvements in design and materials unless prescribed otherwise by SPMCIL in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per SPMCIL's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

16.2. This warranty shall remain valid for twelve months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by SPMCIL in terms of the contract or for fifteen months from the date of despatch from the supplier's premises for domestic goods (including goods already imported by the supplier under its own arrangement) or for eighteen months after the date of shipment from the port of loading in the source country for imported goods offered from abroad, whichever is earlier, unless specified otherwise in the SCC.

16.3. In case of any claim arising out of this warranty, SPMCIL shall promptly notify the same in writing to the supplier.

16.4. Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the SCC), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ goods after providing their replacements and no claim, whatsoever shall lie on SPMCIL for such replaced parts/ goods thereafter.

16.5. In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/ replaced goods shall be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of SPMCIL.

16.6. If the supplier, having been notified, fails to rectify/ replace the defect(s) within a reasonable period (or within the period, if specified in the SCC), SPMCIL may proceed to take such remedial action(s) as deemed fit by SPMCIL, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which SPMCIL may have against the supplier.

17. Assignment

17.1. The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with SPMCIL's prior written permission.

18. Sub Contracts

18.1. The Supplier shall notify SPMCIL in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.

18.2. Sub contract shall be only for bought out items and sub-assemblies.

18.3. Sub contracts shall also comply with the provisions of GCC Clause 5 ("Country of Origin").

19. Modification of contract

19.1. Once a contract has been concluded, the terms and conditions thereof will generally not be varied. However if necessary, SPMCIL may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:

(a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for SPMCIL,

(b) mode of packing,

(c) incidental services to be provided by the supplier

(d) mode of despatch,

(e) place of delivery, and

(f) any other area(s) of the contract, as felt necessary by SPMCIL depending on the merits of the case.

19.2. In the event of any such modification/ alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/ or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by SPMCIL, the supplier shall convey its views to SPMCIL within twenty one days from the date of the supplier's receipt of SPMCIL's amendment / modification of the contract.

19.3. Option Clause: By a suitable provision in the SCC, the Purchaser may reserve the right to increase the ordered quantity by 25% at any time, till final delivery date of the contract, by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of Delivery Period.

20. Prices

20.1. Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender or during negotiations, if any, and incorporated in the contract except for any price adjustment authorized in the SCC.

21. Taxes and Duties

21.1. Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to SPMCIL.

21.2. Further instruction, if any, shall be as provided in the SCC.

22. Terms and Mode of Payment: Unless specified otherwise in SCC, the terms of payments would be as follows:

22.1. Unless otherwise specified in SCC, usual payment term is 100% on receipt and acceptance of goods by the Purchaser and on production of all required documents by the supplier.

22.2. For Domestic Goods: Unless otherwise specified in the SCC, payments to suppliers are usually made by account payee cheque or through ECS only.

22.2.1. Where the terms of delivery is FOR dispatching/dispatching Station, the payment terms, depending on the value and nature of the goods, mode of transportation etc. maybe # 60% to 90% (as specified in SIT) on proof of dispatch/despatch and other related documents and balance on receipt at site and acceptance by the consignee.

22.2.2. Where the terms of delivery is CIF destination/delivery at site/FOR destination, usual payment term is 100% on receipt and acceptance of goods by the consignee and on production of all required documents by the supplier.

22.2.3. Where goods to be supplied also need installation and commissioning by the supplier, the payment terms are generally as under:

(a) For a contract with terms of delivery as FOR dispatching station

i. 60% on proof of dispatch/despatch along with other specified documents

ii. 30% on receipt of the goods at site by the consignee and balance

iii. 10% on successful installation and commissioning and acceptance by the user department.

(b) For a contract with terms of delivery as CIF destination/ Delivery at site/FOR destination

i. 90% on receipt and acceptance of goods by the consignee at destination and on production of all required documents by the supplier

ii. 10% on successful installation and commissioning and acceptance by the consignee.

22.3. For Imported Good: Unless otherwise specified in SCC, payments are made through an irrevocable Letter of Credit (LC).

(a) Cases where Installation, Erection and Commissioning (if applicable) are not the responsibility of the Supplier # 100 % net FOB/FAS price is to be paid against invoice, shipping documents, inspection certificate (where applicable), manufacturers# test certificate, etc.

(b) Cases where Installation, Erection and Commissioning are the responsibility of the Supplier # 80% - 90% net FOB/FAS price (as specified in the SCC) will be paid against invoice, inspection certificate (where applicable), shipping documents etc. and balance within 21 - 30 days of successful installation and commissioning at the consignee#s premises and acceptance by the consignee.

(c) Payment of Agency Commission against FOB/FAS Contract # Entire 100% agency commission is generally paid in Indian Rupees; after all other payments have been made to the supplier in terms of the contract.

22.4. Unless specified otherwise in the SCC, the following general conditions will apply for payment to the supplier.

22.5. The payment shall be made in the currency / currencies authorized in the contract.

22.6. The supplier shall send its claim for payment in writing as per Section XIX # " Proforma for Bill for Payments", when contractually due, along with relevant documents etc., duly signed with date, as specified in SCC and in a manner as also specified therein.

22.7. While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

22.8. The important documents which the supplier is to furnish while claiming payment are:

a) Original Invoice

b) Packing List

c) Certificate of country of origin of the goods from seller#s Chamber of Commerce.

d) Certificate of pre-dispatch/despatch inspection by SPMCIL#s representative/ nominee

- e) Manufacturer's test certificate
- f) Performance/ Warrantee Bond
- g) Certificate of Insurance
- h) Clean on Bill of lading/ Airway bill/ Rail receipt or any other dispatch document, issued by a government agency (like postal department) or an agency duly authorized by the concerned ministry/ department
- i) Consignee's Certificate confirming receipt and acceptance of goods
- j) Dangerous Cargo Certificate, if any, in case of Imported Goods.
- k) Any other document specified.

22.9. While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from SPMCIL, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to SPMCIL, SPMCIL's share out of such refund received by the supplier. The supplier shall also refund the applicable amount to SPMCIL immediately on receiving the same from the concerned authorities.

22.10. In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

- a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
- b) Delay in supplies, if any, has been regularized.
- c) The contract price where it is subject to variation has been finalized.
- d) The supplier furnishes the following undertakings:

"I/ We, _____ certify that I/ We have not received back the Inspection Note duly receipted by the consignee or any communication from SPMCIL or the consignee about non-receipt, shortage or defects in the goods supplied. I/ We _____ agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment or six months from the date of despatch whichever is later..

23. Delay in the supplier's performance

23.1. The time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by SPMCIL in the List of Requirements and as incorporated in the contract.

23.2. Subject to the provision under GCC clause 28, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions besides any administrative action:

- a) imposition of liquidated damages,
- b) forfeiture of its performance security and
- c) termination of the contract for default.

23.3. If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform SPMCIL in writing about the same and its likely duration and make a request to SPMCIL for extension of the delivery schedule accordingly. On receiving the supplier's communication, SPMCIL shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

23.4. When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:

- a) SPMCIL shall recover from the supplier, under the provisions of the clause 24 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
- b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery

stipulated in the contract.

c) But nevertheless, SPMCIL shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

23.5. The supplier shall not despatch the goods after expiry of the delivery period. The supplier is required to apply to SPMCIL for extension of delivery period and obtain the same before despatch. In case the supplier despatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against SPMCIL.

24. Liquidated damages

24.1. Subject to GCC clause 28, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, SPMCIL shall, without prejudice to other rights and remedies available to SPMCIL under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the ½% percent (or any other percentage if prescribed in the SCC) of the delivered price of the delayed goods and/ or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (or any other percentage if prescribed in the SCC) of the delayed goods# or services# contract price(s). During the above mentioned delayed period of supply and / or performance, the conditions incorporated under GCC sub-clause 23.4 above shall also apply.

25. Custody and Return of SPMCIL Materials/ Equipment/ Documents loaned to Contractor

25.1. Whenever stores are required to be issued to the firm/contractor for fabrication or prototypes or sub-assemblies are issued for guidance in fabrication, these would be issued against appropriate Bank Guarantee as specified in SCC. In addition to the Bank Guarantee, appropriate insurance may be asked if specified in the SCC.

25.2. All drawings and samples issued to the contractor in connection with the contract must be returned by him. Final payment will be withheld if this is not done, besides any other sanction deemed fit by SPMCIL.

26. Termination for default

26.1. SPMCIL, without prejudice to any other contractual rights and remedies available to it (SPMCIL), 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 SPMCIL pursuant to GCC sub-clauses 23.3 and 23.4.

26.2. In the event of SPMCIL terminates the contract in whole or in part, pursuant to GCC sub-clause 26.1 above, SPMCIL may procure goods and/ or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the supplier and the supplier shall be liable to SPMCIL for the extra expenditure, if any, incurred by SPMCIL for arranging such procurement.

26.3. Unless otherwise instructed by SPMCIL, the supplier shall continue to perform the contract to the extent not terminated.

27. Termination for insolvency

27.1. If the supplier becomes bankrupt or otherwise insolvent, SPMCIL 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 SPMCIL.

28. Force Majeure

28.1. In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Contractor shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by SPMCIL 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 force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days# notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.

28.2. Notwithstanding the provisions contained in GCC clauses 23, 24 and 26, the supplier shall not be liable for imposition of any such sanction so long the delay and/ or failure of the supplier in fulfilling its obligations under

the contract is the result of an event of Force Majeure.

28.3. In case due to a Force Majeure event SPMCIL is unable to fulfill its contractual commitment and responsibility, SPMCIL will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

29. Termination for convenience

29.1. SPMCIL reserves the right to terminate the contract, in whole or in part for its (SPMCIL#s) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of SPMCIL. The notice shall also indicate inter-alia, the extent to which the supplier#s performance under the contract is terminated, and the date with effect from which such termination will become effective.

29.2. The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier#s receipt of the notice of termination shall be accepted by SPMCIL following the contract terms, conditions and prices. For the remaining goods and services, SPMCIL may decide:

- a) to get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
- b) to cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

30. Governing language

30.1. The contract shall be written in Hindi or English language following the provision as contained in GIT clause 2. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

31. Notices

31.1. Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

31.2. The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

32. Code of Ethics

SPMCIL as well as Bidders, Suppliers, Contractors, and Consultants under SPMCIL contracts shall observe the highest standard of ethics during the procurement or execution of such contracts. In pursuit of this policy, for the purposes of this provision, the terms set forth below are defined as follows:

- (a) "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (b) "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (c) "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Purchaser, designed to establish bid prices at artificial, non competitive levels; and
- (d) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
- (e) A particular violation of ethics may span more than one of above mentioned unethical practices.

32.1. The following policies will be adopted in order to maintain the standards of ethics during procurement:

- (a) A proposal for award will be rejected if it is determined that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.
- (b) A contract will be cancelled if it is determined at any time that SPMCIL representatives/ officials have directly or indirectly, engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract.
- (c) In case any individual staff is found responsible, suitable disciplinary proceedings should be initiated against such staff under the applicable government conduct rules. The existing provisions under the Indian law including the instructions of Central Vigilance Commission should be followed in this regard.
- (d) Firms or individuals shall be banned/ blacklisted after following due process, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a SPMCIL contract, if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a SPMCIL contract.

33. Resolution of disputes

33.1. If dispute or difference of any kind shall arise between SPMCIL and the supplier in connection with or relating to the 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 SCC, either SPMCIL or the supplier may seek recourse to settlement of disputes through arbitration as per The Arbitration and conciliation Act 1996 as per following clause.

33.2. Arbitration Clause:- If both parties fail to reach such amicable settlement, then either party (the Purchaser or Seller) may within 21 days of such failure give a written notice to the other party requiring that all matters in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in difference or of difference of which such written notice has been given and no other matter shall be referred to the arbitration in accordance with the conciliation and arbitration rules of International Chamber of Commerce (ICC)/United National Commission on International Trade Law (UNCITRL) by three arbitrators appointed in accordance with the procedure set out in clause below. The arbitration proceeding shall be held in New Delhi and shall be conducted in English language. All documentation to be reviewed by the arbitrators and/ or submitted by the parties shall be written or translated into English. Venue of arbitration shall be New Delhi. The arbitrator or arbitrators appointed under this article shall have the power to extend time to make the award with the consent of the parties. Pending reference to arbitration, the parties shall make all endeavours to complete the contract/work in all respects and all disputes, if any, will finally be settled in the arbitration.

34. Applicable Law

34.1. The contract shall be interpreted in accordance with the laws of India.

34.2. Irrespective of the place of delivery, or the place of performance or the place of Payments under the contract, the contract shall be deemed to have been made at the place from which the notification of acceptance of the tender has been issued.

34.3. The courts of the place from where the notification of acceptance has been issued # shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

35. Secrecy

35.1. The Contractor shall take all reasonable steps necessary to ensure that all persons employed in any work in connection with the contract, have full knowledge of the Official Secrets Act and any regulations framed thereunder.

35.2. Any information obtained in the course of the execution of the contract by the Contractor,; his servants or agents or any person so employed, as to any matter whatsoever, which would or might be directly or indirectly, of use to any enemy of India, must be treated secret and shall not at any time be communicated to any person.

35.3. Any breach of the aforesaid conditions shall entitle the Purchaser to cancel the contract and to purchase or authorise the purchase of the stores at the risk and cost of the Contractor, In the event of such cancellation, the stores or parts manufactured in the execution of the contract shall be taken by the Purchaser at such price as he considers fair and reasonable and the decision of the Purchaser as to such price shall be final and binding on the Contractor. Part II: Additional General Conditions of Contract for specific Types of Tenders in addition/ modification to clauses mentioned above:

36. Disposal/ Sale of Scrap by Tender

36.1 During the currency of contract, no variation in price or rate shall be admissible.

36.2 Payment and Default

36.2.1 Payment may be made in the form of cash or Demand Draft /Pay order issued by any scheduled commercial bank and drawn in favor of the Account mentioned in the NIT.

36.2.2 No interest will be paid to the purchaser for the amounts paid or deposited with the SPMCIL and subsequently found refundable to the purchaser under any of the conditions of the contract.

36.2.3 If the purchaser fails to deposit sale value for a sold lot within the allowed period as per relevant clause SPMCIL may forfeit the security deposit. Requests for an extension of this period, made by the purchaser may be considered by the SPMCIL and may at its discretion, on the merits of the case, allow further time not excluding 50 days from the date of the contract. Interest shall be leviable on such amount at a rate 2% per annum higher than the PLR of State Bank of India, from the date of expiry of the payment date to actual date of payment (actual date of payment inclusive).

36.2.4 The lot or lots in respect of which forfeiture has been made, shall be deemed to have been abandoned by the purchaser to all intents and purposes and may be re-sold or otherwise disposed of at the discretion of the SPMCIL without reference to the purchaser concerned and without incurring any liability on part of SPMCIL

whatsoever in respect there under.

36.2.5 In case extension is granted by SPMCIL and due to late payment of sale amount the delivery cannot be completed by the purchaser, in accordance with the relevant clause of Special Conditions of Tender sale, then ground rent shall also be leviable as per relevant clause of Special Conditions of Tender sale.

36.2.6 On production of proof of having made payment, nominated authority shall issue a delivery order authorizing the purchaser to take delivery of the Scrap Materials.

36.3 Deliveries, Delays and Breach of Contract

36.3.1 The Title of goods or material sold shall not be deemed to have been passed to the Purchaser/ Bidder until and unless the full and final payment has been made by the purchaser, in accordance with the contract to the SPMCIL and the authorized Officer has issued the Delivery Order in favor of the purchaser. The materials sold may be removed from the premises only on production of the cash receipt for the payment and a delivery order from the Officer authorized by the SPMCIL.

36.3.2 Unless specified otherwise in SIT, delivery period for lifting of material shall be within 60 days from the date of finalization of contract agreement.

36.3.3 The work of delivery will be supervised by Stock Holder or his authorized representative, representative of accounts Department and Security Staff duly authorized by SPMCIL for the propose of delivery. Delivery will be allowed during working hours.

36.3.4 No delivery of or materials sold shall be given on Sundays, Gazetted holidays and other shall holidays observed by SPMCIL. The delivery of the goods or material shall be effected from the premises concerned only during its normal working hours. In order to complete the delivery within the working hours all loading must cease half an hour before the normal closing time of the concerned premises. The decision of the SPMCIL with regard to the working hour shall be final and binding on the purchaser. Purchaser will not be allowed to lift the Scrap Material from more than one location at a time.

36.3.5 The purchased stores will be carried away by the purchaser at his risk and no claims against the SPMCIL will be entertained for shortage in weight which may be discovered after the materials have left the premises wherefrom delivery is taken. If required the purchaser shall provide his own bags, cases or other receptacles for the removal of the scrap.

36.3.6 The SPMCIL shall not be responsible for any accident that may occur to purchaser's labors/servants for any reasons whatsoever. The purchaser will himself have to ensure the safety of his workers and shall be liable to pay claims, whatsoever if any. SPMCIL will not carry any responsibility of such payments. The purchaser will be responsible to supply personal protection equipments to his labour/servant and staff and no additional charges are admissible for the same.

36.3.7 The materials sold, shall be removed by the purchaser within the period specified in relevant clause of Special Condition of Sale.

36.3.8 If due to any default on the part of the SPMCIL, the purchaser is unable to remove the materials sold within the specified period, the SPMCIL may extend the period therefore and in such an event purchaser will be entitled to take delivery of the goods or the materials sold within such extended Delivery period.

36.3.9 If contractor fails to lift sold scrap within the specified period, penalty shall be levied at the rate of 0.5% per day of the value of un-removed Scrap. Moreover the material shall remain at the purchaser's risk until removal thereof. Further SPMCIL will be entitled to charge the ground rent as stated in relevant Para of SCC, for the area in which the materials sold are kept or stored # which would be recovered by the SPMCIL from the Purchaser before removal of the material and in the event of default in payment thereof, the SPMCIL at may its discretion shall be entitled to order the re-sale of such materials and forfeit the Security deposit or sale amount or both, paid by the purchaser.

36.3.10 If the purchaser makes slow progress with his contract and the SPMCIL is of opinion that he may fail to fulfill the contract within the time specified in the conditions of sale, it will be lawful for the SPMCIL to cancel the whole contract or such portion thereof as may not have been completed and the SPMCIL shall be at liberty to dispose off the goods in any manner at the risk and expense of the purchaser.

36.3.11 The purchaser will have to comply with the provisions of the Contract Labour (Regulations and Abolition Act 1970 and Central Rules 1971 and obtain license from the Assistant Labour Commissioner or the competent authorities empowered to issue such license. Any failure on the part of the purchaser in this regard will be at his risk and consequences. He shall comply with Workman's Compensation Act 1923, Payment of Wages Act 1936, and Minimum Wages Act 1948 and all the other related statutory and legal provisions and obligations. The purchaser shall also indemnify the SPMCIL against any claim / liabilities that may occur to the contractor's labors and servants

due to any reasons whatsoever.

If the purchaser makes default in complying with any of the condition of the contract, the sale of lot or lots in respect of which such default is made may be cancelled and such lot or lots may be put up again for sale and in such an event if a lower price is offered and accepted for such lot or lots then the purchaser shall be liable to pay the difference in price thereof together with all expenses occasioned by such resale in default to the SPMCIL provided further that the purchaser in default shall not be entitled to claim any profit which may arise from such resale.

Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify/ substitute/ supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

Sl.No	GCC Clause No.	Topic	SCC Provision
01	8.2	Packing and Marking	As Applicable
02	11.2	Transportation of Domestic Goods	As Applicable
03	12.2	Insurance	As Applicable
04	14.1	Incidental Services	As Applicable
05	15	Distribution of Dispatch Documents for clearance/ Receipt of Goods	As Applicable
06	16.2, 16.4	Warrantee Clause	02 years from the date of FAT.
07	19.3	Option Clause	Not Applicable
08	20.1	Price Adjustment Clause	No Price Adjustment Allowed.
09	21.2	Taxes and Duties	HSN/SAC code and GST% should be mentioned for the item. GST registration number of the firm should also be mentioned.
10	22, 22.1, 22.2, 22.4, 22.3, 22.6	Terms and Mode of payments	1) 80% payment of the material cost upon receipt of material and 2)balance 20% payment of the cost of material + 100% payment towards installation, commissioning, testing & training after completion of FAT and issue of FAC.
11	24.1	Quantum of LD	Applicable
12	25.1	Bank Guarantee and Insurance for Material Loaned to Contractor	Not Applicable
13	33.1	Resolution of Disputes	33.2, venue of all arbitration will be Hyderabad
14	36.3.2, 36.3.9	Disposal/ Sale of Scrap by Tender	Not Applicable

Section VI: List of Requirements

Schedule No.	Breif Description of goods and services (Related Specifications etc.are in Section-VII)	Accounting Unit	Quantity	Amount of Earnest Money	Remarks
1	2MP IR Bullet Camera	nos	81.000	500000.00 INR 0.00	
2	2MP IR Dome Camera	nos	5.000		
3	IR Full HD PTZ 30X cameras	nos	11.000		
4	Full HD Fish eye Camera(360 degree)	nos	1.000		
5	6 Meter Poles	nos	6.000		
6	3 Mtrs Pole	nos	2.000		
7	Earthing for Pole	nos	6.000		
8	24 Port Distribution Switch	nos	13.000		
9	Layer 3 Core Switch	nos	1.000		
10	Commercial Grade Media Converter	nos	2.000		
11	Wall mount Outdoor enclosure	nos	10.000		
12	12U Rack	nos	13.000		
13	42U Rack	nos	1.000		
14	Fully loaded LIU (24 port)	nos	1.000		
15	Fully loaded LIU (12 port)	nos	13.000		
16	SFP Modules(1G)	nos	28.000		
17	SFP Modules(10G)	nos	2.000		
18	OFC Patch cords(SC-LC)	nos	50.000		
19	Flexible Power Cable(3C* 1.5 Sq. Mm)	mtr	3000.000		
20	6 C Single Mode Armoured OFC	mtr	2000.000		
21	CAT 6 Cable	mtr	6700.000		
22	PVC Conduit 25 mm/1#	mtr	4100.000		
23	HDPE Pipe-40mm, 3mm thickness	mtr	300.000		
24	GI Pipe(2") for road crossing	mtr	100.000		
25	Management Server	nos	1.000		
26	Recording Server	nos	2.000		
27	Computer Workstation	nos	3.000		
28	46" Thin Bezel Display	nos	3.000		
29	21" LED Display	nos	1.000		

Schedule No.	Breif Description of goods and services (Related Specifications etc.are in Section-VII)	Accounting Unit	Quantity	Amount of Earnest Money	Remarks
30	VMS Software with(n) cameras	nos	1.000		
31	Camera Channel Licences	nos	98.000		
32	6 KVA UPS	nos	3.000		
33	Earthing for UPS	nos	3.000		
34	Power distribution board at Control room	nos	1.000		
35	Control Console at CMS	nos	1.000		
36	Dual Lane Full Height Turnstile SS grade	nos	2.000		
37	Single Lane Full height Turnstile SS	nos	1.000		
38	Single leaf EM Lock with feedback Sensor	nos	1.000		
39	Double leaf EM lock with feedback Sensor	nos	1.000		
40	Drop bolt lock with fabrication	nos	1.000		
41	4 Core X1Sqmm Cable	mtr	100.000		
42	Installation of CCTV and Turnstiles syst	AU	1.000		LATE QUOTATIONS WILL NOT BE ACCEPTED

2. Description of material: Procurement of New IP based CC TV cameras and Turnstile Gates with accessories as per Section VII - Technical Specifications.

3. Delivery Schedule: The work should be completed within 04 months from the date of placement of Purchase Order.

Note: E Way bill should be sent along with supplies as applicable.

4. Only the firms agreeing to the above mentioned delivery schedule, will be considered for this tender.

5. All the copies of tenders shall be complete in all respects with all their attachment/enclosures duly numbered and signed on each and every page.

6. Price bid should be submitted as per format in Section XI. Rate quoted should be on firm price basis. Vague offers like duties as applicable will not be considered.

7. The firm should not have been blacklisted /debarred for dealing by Government of India/State Government / PSU / SPMCIL / RBI / BRBNMPL / BNPMIPL in any manner and an undertaking should be submitted along with the Bid to this effect.

8. The Public Procurement Policy for MSEs order 2012 and Amendment Order 2018 is applicable.

9. MSE firms owned by Scheduled Cast / Scheduled Tribe Entrepreneurs should produce documentary evidence of the same at the time of submitting offer. No claim will be admitted after opening of tender.

10. The Earnest Money should be furnished in any one of the following forms (a) Account Payee Demand Draft or (b) Fixed Deposit Receipt or (c) Bankers Cheque.

11. The Earnest Money shall be valid up to a period of six months from the date of opening of the tender.

11.1. The successful bidder will be required to pay 10% of the value of the contract to Security Printing Press, Hyderabad, India as a Performance Security. Performance Bond/Security Deposit shall be valid up to 18 months from the date of issue including the warranty period of one year.

11.2. Both the Earnest Money Deposit and Performance Security in the form of Performance Bond/Security Deposit, shall be payable in favour of "General Manager, Security Printing Press, Hyderabad" and drawn on a Scheduled Commercial Bank in India.

11.3. The Successful Firm shall be issued Notification of Award of Contract.

12. After issue of Notification of Award of Contract the firm has to submit the Performance Security within 21 days from issue of Notification of Award of Contract. Upon submission of the Performance security the Purchase Order shall be issued to the firm within 7 days.

13. LICENSES AND PERMITS : Wherever applicable, the successful bidder shall ensure himself and also satisfy the General Manager, Security Printing Press, Hyderabad, a Unit of Security Printing And Minting Corporation of India Limited, that the successful bidder possesses the legal license / permit to use a particular product / process / design / patent. The successful bidder shall be held responsible for all the civil/criminal and tortuous consequences arising from any claim from any third party in this regard.

14. RISK PURCHASE: (a) If the supplier after submission of tender and due acceptance of the same i.e. after issue of Notification of Award of Contract fails to abide by the terms and conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to:

i: Forfeiture of the EMD and

ii: Invoke the Security-cum-Performance Guarantee if deposited by the supplier and procure stores from other agencies at the risk and consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier along with other incidental charges, including taxes, insurance etc.

(b) For all the purpose the Notification of Award of contract will be considered acceptance of tender and formal contract pending signing of agreement. Supplier has to abide by all the terms and conditions of tender.

c) In case of procurement through alternative sources and if procurement price is lower, no benefit on this account will be passed onto the supplier.

Required Delivery Destination: Security Printing Press,
Mint Compound, Saifabad
Hyderabad 500063, Telangana

15. Mode of transport: By road through a registered common carrier only.

16. LIQUIDATED DAMAGES: Subject to GCC clause 28, if the supplier fails to deliver any or all of the goods or

fails to perform the services within the time frame(s) incorporated in the contract, SPMCIL shall, without prejudice to other rights and remedies available to SPMCIL under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% percent (or any other percentage if prescribed in the SCC) of the delivered price of the delayed goods and/or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (or any other percentage if prescribed in the SCC) of the delayed goods' or services' contract price(s). During the above mentioned delayed period of supply and/or performance, the conditions incorporated under GCC sub-clause 23.4 above shall also apply.

17. (GIT 20.8) SIGNING AND SEALING OF TENDERS: Pre-Qualification Bid, Technical Bid, and Price bid are to be submitted in three separate double sealed envelopes on or before the due date of submission of tenders. It may be noted that the price is not to be quoted either in the Pre-Qualification Bid or Technical bid. It shall only be quoted in Price bid. Non-adherence to this shall make tender liable for rejection. The envelopes containing bids shall be superscribed as PRE-QUALIFICATION BID, TECHNICAL BID and PRICE BID, as the case may be, for "Procurement of New IP based CC TV cameras and Turnstile Gates with accessories" along with the tender number. The sealed envelopes shall again be put in another sealed cover and should be superscribed as "Procurement of New IP based CC TV cameras and Turnstile Gates with accessories", due date as per Section 1 (NIT) along with the tender number, name of the bidder firm and the name of the manufacturer if the bidder firm is an agent, in the following format:

Tender Number-
Tender Name-
Date of tender opening-
Bidder firm name-
Manufacturer name-

18. Late tenders shall not be accepted. Tenderers shall submit their offers only on prescribed forms. Tender by telegram/fax /e-mail shall not be accepted. Tender by post/ hand/ courier received on or before the due date and time shall be accepted. Postal delay/ delay by courier service etc. shall not be condoned after the due date and time.

19. Tenders shall be submitted in parts as below :

PART-I-PRE-QUALIFICATION BID :

- (a) Containing un-priced tender documents consisting of experience like Purchase Order along with invoice, delivery challan etc., past performance, capacity/capability related data, financial standing data, declaration etc. as specified under Section IX in this tender document.
- (b) Earnest Money Deposit.
- (c) Tender document fee.
- (d) Non-Blacklist Declaration - The firm should give a declaration that they have not been black-listed/ debarred for dealing by any Government/ Agency of any country in the past (both Agent firm & Principal manufacturer).
- (e) Manufacturers authorization letter, if the bidder is not the manufacturer.
- (f) Complete postal address with contact numbers and name of the authorized contact person of the bidder and the manufacturer, if the bidder firm is not the manufacturer.
- (g) The bidder is requested to provide the financial standings of the principal manufacturer like Balance Sheet, Profit & Loss account statement, Income statement etc. in English language only, duly certified by the Chartered Accountants(CA) in India.
- (h) List of customers to whom this type of material is supplied in last 5 years, ending 31st March 2018, with relevant P.O. copies, invoice etc.

PART-II-TECHNICAL BID :

- (a) The Tenderer shall submit detailed technical offer as per technical specifications given in Section VII of this tender document.
- (b) The tenderer has to download and submit the acceptance of all section of this tender document (GIT, SIT, SCC,

GCC), Technical specifications, List of Requirement, Tender form, Questionnaire, etc. by filling up the forms and affixing their companies official stamp and signing at each page of the tender document. THE PRICE IS NOT TO BE FILLED IN THE TENDER FORM.

(c) The bidder firm shall submit the Price Bid mentioning HSN code and GST percentage as applicable, but EXCLUDING THE ACTUAL PRICE. Mentioning the Price anywhere in the Technical Bid will lead to disqualification of the firm from the tender evaluation process.

PART III-PRICE BID :

The tenderers shall quote the prices strictly as per the proforma given in Section-XI of the tender document.

20. (GIT 24.4) Opening of Tenders:

The Pre-Qualification Bids are to be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and evaluated by the competent committee/ authority with reference to the parameters prescribed in the Eligibility criteria. Thereafter, in the second stage, the Techno commercial Bids of only Pre qualified bidders (as decided in the first stage) shall be opened at a later date and time for further scrutiny and further evaluation. These bids shall be scrutinized and evaluated by the competent committee/ authority with reference to the parameters prescribed in the tender document. Subsequently, in the third stage, the Price Bids of only the Technically acceptable offers (as decided in the second stage) shall be opened for further scrutiny and evaluation. Intimation regarding opening of Techno-Commercial Bid and Price bid shall be given to acceptable tenderers to enable them to attend the Technical and Price bid opening, if they so desire. The persons who wish to attend the bid opening process may be present along with the Letter of Authority as per Section XVII of SBD in person failing which the person shall not be allowed to attend the same. Finally the bidder whose quotation as in the Price Bid for the supply of the tendered quantity is lowest after considering all the applicable taxes and duties on F.O.R. Security Printing Press, Hyderabad basis shall be issued the Notification of Award of Contract.

21. Tender cancellation : The General Manager, Security Printing Press, Hyderabad, India 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 tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

22. (GIT Clause 40): AWARD OF CONTRACT: SPP's Right to Accept any Tender and to Reject any or All Tenders: SPP 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 tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

23. Any dispute in the matter will be under Hyderabad (Telangana) Jurisdiction only.

24. No revised quotation will be permitted during the validity of the tender.

25. No conditional tender shall be accepted.

26. Fall Clause: If the contract holder / supplier reduces its price or sells or even offers to sell the contracted goods, following conditions of sale similar to those of the contract, at a price lower than the contract price, to any person or organisation during the currency of the contract, the contract price will be automatically reduced with effect from that date for all the subsequent supplies under the contract and the contract amended accordingly. Any violation of the fall clause would be considered a serious misdemeanor under clause of the GIT and action, as appropriate, would be taken as per provision of that clause.

27. Termination of Contract: Security Printing Press, Hyderabad may at any time terminate the contract by giving two months prior notice in writing to that effect and shall have the liberty to appoint any other agency to carry out your obligation under this contract.

28. The firm should submit Warranty Certificate.

29. SPP reserves the right to inspect the manufacturing facility of the supplier during the tendering process to ascertain the capability of the supplier.
30. The firm should submit the following undertaking "We agree to withdraw all the deviations, if any, unconditionally and accept the terms and conditions of the tender document including the technical specifications."
31. The firm should submit Power of Attorney of the Authorised signatory who is signing the total bid document.
32. All the pages submitted are to be required & sealed by Authorised Signatory failing which tender shall be treated as unresponsive.
33. Failure & Termination:
- a) Cancellation of contract for default: Without prejudice to any other remedy for breach of contract, like removal from the list of registered vendors, by written notice of default sent to the vendor, the contract may be terminated in whole or in part:
- (i) If the vendor fails to provide any or all the material/ services within the time period(s) specified in the contract, or any extension thereof granted.
- (ii) If the vendor fails to perform any other obligation under the contract within the period(s) specified in the contract or any extension thereof granted.
- b) Termination of contract for convenience:
- Security Printing Press, Hyderabad may at any time terminate the contract by giving two months prior notice in writing to that effect and shall have the liberty to appoint any other agency to carry out your obligation under this contract.

Section VII: Technical Specifications

2MP IR Bullet Camera with edge recording & IK10 rating.
2MP IR Dome Camera with edge recording & IK10 rating
IR Full HD PTZ 30X cameras for general surveillance
Full HD Fish eye Camera
6 Meter Poles
3 Mtrs Pole with Wall mounting accessories
Earthing for Pole
Supply of 24 Port Distribution Switch with 2nos of 1G SFP+ Ports
24 Port modular Layer 3 Core Switch with 2nos of 10G modules
Commercial Grade Media Converter
Wall mount Outdoor enclosure with Spike Guard & Surge arrestor
12U Rack with Spike Guard and Surge Arrestor
42U Rack with Spike Guard
Fully loaded LIU (24 port)- Rack mount
Fully loaded LIU (12 port)- Rack mount
SFP Modules(1G)
SFP Modules(10G)
OFC Patch cords(SC-LC)
Flexible Power Cable(3C* 1.5 Sq. Mm)
6 C Single Mode Armoured OFC
CAT 6 Cable
PVC Conduit 25 mm/1#
HDPE Pipe-40mm, 3mm thickness
GI Pipe(2") for road crossing
Management Server
Recording Server with 90 days backup
Computer Workstation
46" Thin Bezel Display
21" LED Display
VMS Software with(n) cameras
Camera Channel Licences
6 KVA UPS with 30 min Back-up with IN/OUT MCB
Earthing for UPS
Power distribution board at Control room
Control Console at CMS with table(2 no#s) , chair(2 no#s) & AC (2 no#s 1.5 ton)
Supply of Dual Lane Full Height Turnstile SS grade
Supply of Single Lane Full height Turnstile SS Grade
Supply of Single leaf EM Lock with feedback Sensor 1200LBS
Supply of Double leaf EM lock with feedback Sensor 1200LBS
Supply of Drop bolt lock & with necessary fabrication works at Wicket gate at Factory entry
Supply of 4 Core X1Sqmm Cable
System Installation & Commissioning of CCTV Surveillance and Turnstiles in SPPH permises.

Technical Specifications as per Annexure - I.

Annexure - I

Detailed Technical Specifications

Sr. No.	Item Description	Qty	UOM
1	2MP IR Bullet Camera with edge recording & IK10 rating	81	No's
2	2MP IR Dome Camera with edge recording & IK10 rating	5	No's
3	IR Full HD PTZ 30X cameras for general surveillance	11	No's
4	Full HD Fish eye Camera	1	No's
5	6 Meter Poles	6	No's
6	3 Mtrs Pole with Wall mounting accessories	2	No's
7	Earthing for Pole	6	No's
8	Supply of 24 Port Distribution Switch with 2nos of 1G SFP+ Ports	13	No's
9	24 Port modular Layer 3 Core Switch with 2nos of 10G modules	1	No's
10	Commercial Grade Media Converter	2	No's
11	Wall mount Outdoor enclosure with Spike Guard & Surge arrestor	10	No's
12	12U Rack with Spike Guard and Surge Arrestor	13	No's
13	42U Rack with Spike Guard	1	No's
14	Fully loaded LIU (24 port)- Rack mount	1	No's
15	Fully loaded LIU (12 port)- Rack mount	13	No's
16	SFP Modules(1G)	24	No's
17	SFP Modules(10G)	2	No's
18	OFC Patch cords(SC-LC)	50	No's
19	Flexible Power Cable(3C* 1.5 Sq. Mm)	3,000	Meters
20	6 C Single Mode Armoured OFC	2,000	Meters
21	CAT 6 Cable	6,700	Meters
22	PVC Conduit 25 mm/1"	4100	Meters
23	HDPE Pipe-40mm, 3mm thickness	300	Meters
24	GI Pipe(2") for road crossing	100	Meters
25	Management Server	1	No's
26	Recording Server with 90 days backup	2	No's
27	Computer Workstation	3	No's
28	46" Thin Bezel Display	3	No's
29	21" LED Display	1	No's
30	VMS Software with(n) cameras	1	No's
31	Camera Channel Licences	98	No's
32	6 KVA UPS with 30 min Back-up with IN/OUT MCB	4	No's
33	Earthing for UPS	4	No's
34	Power distribution board at Control room	1	No's
35	Control Console at CMS with table(2 no's) , chair(2 no's) & AC (2 no's 1.5 ton)	1	No's
36	System Installation & Commissioning of CCTV Surveillance and Turnstiles in SPPH premises.	1	No's

Turnstile Gates with their accessories

Sr. No.	Item Description	Qty	Units
1	Supply of Dual Lane Full Height Turnstile SS grade	2	No's
2	Supply of Single Lane Full height Turnstile SS Grade	1	No's
3	Supply of Single leaf EM Lock with feedback Sensor 1200LBS	1	No's
4	Supply of Double leaf EM lock with feedback Sensor 1200LBS	1	No's
5	Supply of Drop bolt lock & with necessary fabrication works at Wicket gate at Factory entry	1	No's
6	Supply of 4 Core X1Sqmm Cable	100	Meters

LIST OF INDICATIVE MAKES: The following is the list of products and indicative makes.

S.No	Description	Approve list of Manufacturers
1	Camera's	BOSCH / HONEYWELL / AXIS / PANASONIC or any exact equivalent.
2	VMS – Video Management System	BOSCH / HONEYWELL / AXIS / MILESTONNE / GENETEC or any exact equivalent.
3	Server, Client Workstation	HP / IBM / DELL or any exact equivalent.
4	Display Panel	SAMSUNG / SONY / LG / PHILIPS / PANASONIC / SHARP / HP / DELL or any exact equivalent.
5	42U system panel, 12U/9U/6U Rack	APW / PYROTECH / RITTAL / VALRACK / NETRACK / SERVER OEM or any exact equivalent.
6	On Line UPS	APC/EMERSON/AEG/NUMERIC or any exact equivalent.
7	UPS Batteries	Exide/Panasonic/HBL /Yousa/AMCO/Amaraja or any exact equivalent
8	6 Core OFC Single Mode Armoured	HFCL / AKSH FIBRE / FINOLEX PUNE / B IBIRLA ERICSON /DOT APPROVED VENDOR / D-LINK or any exact equivalent.
9	CAT-06 Cable & Patch Cords	SYSTIMAX / AMP / SIEMON / MOLEX / TE / KRONE / DLINK or any exact equivalent.
10	Power Cable/PVC Conduits	ANCHOR / HAVELLS / DELTON / KEI / POLYCABB / FINCAB / CORD / POLYPLAST or any exact equivalent.
11	Fully Loaded LIU / Pigtail / Fiber Patch Cord	SYSTIMAX / AMP / SIEMON / MOLEX / TE / KRONE / DLINK or any exact equivalent.
12	Air Conditioner (1.5 Ton)	Hitachi/LG/Samsung/Voltas or any exact equivalent.
13	LAN Switches and Media Converters	CISCO / JUNIPER / HP / AVAYA / ALCATEL / ALLIED TELESYS or any exact equivalent.
14	Turnstile Gates	Magnetic/Faact/Godrej or any exact equivalent.
15	Furniture	Nilkamal, Herman Miller or any exact equivalent.

1.) Bullet Camera:

Sr. No.	Feature	Parameter
1	Sensor	Image Sensor 1/3 type CCD/CMOS/MOS Sensor
2	Scanning	Progressive scan
3	Minimum Illumination	Color 0.5 lux and B/W: 0.02 lux F1.4 or better
4	White Balance	Shall be available
5	Light Control	indoor/outdoor mode selection, High light compensation to reduce vehicle head light impact
6	Shutter Speed	min. 1/30 - 1/10000
7	Dynamic Range	Min. 140dB True WDR with variable exposure based
8	Face Detection	Camera shall be providing high picture quality at Face area while reducing other non-important areas
9	Intelligent Compression	50% reduction in bandwidth during zero motion with same fps and resolution
10	Optimize Bandwidth	Variable Image Quality on user specified areas
11	IR illumination	Integrated IR Illumination for minimum 30 mtrs and intelligent varying IR intensity based on scene
12	AGC	Shall be available
13	No. Of Streams	Min. 3 streams or more at H.265 high profile with 1 JPEG. Total 4 streams
14	Alarms	Minimum 3 terminals
15	Audio	2 Way Audio
16	Back focus adjustment	automatic with hardware button and web based control
17	Certification	CE, UL
18	Firmware upgrade	Free for next 5 years
19	SDXC memory card slot	SDXC slot, Preferably SD card can be locked with password
20	Supported Image Resolution	H.265: 2,048 x 1,536 and 1920X1080 resolution should support 30 fps
21	Network	RJ45, IPv4 & Ipv6 compliant
22	Interoperability	ONVIF profile S compliant, should be listed on ONVIF site
23	Remote view	shall be possible to view on mobile / Remote PC
24	Outdoor Installation	Auto IRIS and Auto ELC
25	Power	PoE, 12 V DC
26	Lens	3-9mm lens
27	Temperature	-10 to + 50 deg C
28	Motion Detection	Minimum 3 programmable areas with at least 10 sensitivity levels
29	Housing	Integrated IP66 with mount Camera shall have dehumidification device and outer body shall have rain wash coating / wiper mechanism to remove rain water

2.) IR Dome Camera:

Sr. No.	Feature	Parameter
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1	Sensor	Image Sensor 1/3 type CCD/CMOS/MOS Sensor
2	Scanning	Progressive scan
3	Minimum Illumination	Color 0.5 lux and B/W: 0.02 lux F1.4 or better
4	White Balance	Shall be available
5	Light Control	indoor/outdoor mode selection, High light compensation to reduce vehicle head light impact
6	Shutter Speed	min. 1/30 - 1/10000
7	Dynamic Range	Min. 140dB True WDR with variable exposure based
8	Face Detection	Camera shall be providing high picture quality at Face area while reducing other non-important areas
9	Intelligent Compression	50% reduction in bandwidth during zero motion with same fps and resolution
10	Optimize Bandwidth	Variable Image Quality on user specified area
11	IR illumination	Integrated IR Illumination for 30 mtrs and intelligent varying IR intensity based on scene
12	AGC	Shall be available
13	No. Of Streams	Min. 3 streams or more at H.265 high profile with 1 JPEG. Total 4 streams
14	Alarms	Minimum 3 terminals
15	Audio	2 Way Audio
16	Back focus adjustment	automatic with hardware button and web based control
17	Certification	CE, UL
18	Firmware upgrade	Free for next 5 yeas
19	SDXC memory card slot	SDXC slot, Preferably SD card can be locked with password
20	Supported Image Resolution	H.265: 2,048 x 1,536 @ 30 fps and 1920X1080 resolution should support 60 fps
21	Network	RJ45, IPv4 & Ipv6 compliant
22	Interoperability	ONVIF profile S compliant, should be listed on ONVIF site
23	Remote view	shall be possible to view on mobile / Remote PC
24	Outdoor Installation	Auto IRIS and Auto ELC
25	Power	PoE, 12 V DC
26	Lens	3-9mm or better, motorised
27	Temperature	-10 to + 50 deg C
28	Motion Detection	Minimum 3 programmable areas with at least 10 sensitivity levels
29	Housing	Integrated IP66 with mount, Ik10 rated, inbuilt dehumidification

3.) IR PTZ Full HD Camera

Sr. No.	Specification	Description
1	Sensor	1/2.8" or better CMOS/MOS sensor
2	Minimum illumination	0.5 Lux at colour, 0 Lux at B/W mode
3	Resolution	1920 X 1080 @ 60 fps or better
4	Zoom	Optical 30X or better (4.5-135mm), 12X or better digital zoom
5	IR Range	150 mtrs or better
6	Compression	H.265, H.264
7	Image settings	BLC, WDR, Shutter control, High light compensation, white balance
8	Pan	360 deg endless
9	Tilt	-15 to + 90 or better
10	Network Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, DDNS

11	Audio	2 way
12	SD Card	128 GB support
13	Alarm	2 IN, 1 OUT or better
14	Outdoor Environment	IP66

4.) Fish Eye Camera

S.N.	Parameter	Description
1	Image Sensor	1/3 type CMOS image sensor, Progressive scan
2	Minimum Illumination	Color - 0.09 lux, B/W - 0.04 Lux
3	IR Cut filter Removal	required
4	Dynamic Range	100db or more
5	Vari Focal Length	3-5 mm
6	Angular Field of View	H: 53° (TELE) - 99° (WIDE)
7	Focus adjustment	Focus Assist / Manual
8	Adjusting Angle	Camera 1, 2, 3, Horizontal (PAN) angle : 360 °
		Vertical (TILT) angle: +80 to +°30 °
		Camera 4 - Horizontal (PAN) angle : 360 °
		Vertical (TILT) angle : +80 ° to 0 °(right below) to -15 °
9	Compression Format	H.265, H.264, JPEG
10	Image Resolution	920 x 1080 / 1280 x 720 / 640 x 360 / 320 x 180, 1600 x 1200 / 1280 x 960 / 640 x 480 / 320 x 240
11	Transmission Mode	Constant bit rate, VBR, Frame rate
12	Frame Rate	upto 30 fps at highest supported resolution
13	Transmission type	Unicast, Multicast
14	Shall support GOP control	Required
15	Auto Image quality depending on motion in field of view	Required
16	Fog compensation	Required
17	Shutter Speed	1/30 to 1/10000
18	ICR	Yes
19	Privacy Zone	On / Off, Up to 8 zones
20	Digital Zoom	upto 4X
21	Network Interface	10BASE-T / 100BASE-TX / 1000Base-T, RJ-45 connector
22	Supported Protocols	SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, ARP, IEEE 802.1X, DiffServ, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP,
23	SD memory card slot	1 slot, SD/SDHC/SDXC

24	Power Source	PoE (DC48V/210mA, Class 0)
25	Coat on dome	Special coat on dome to remove rain water
26	Certification	UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1,FCC (Part15 Class A), ICES003 Class A, EN55032 Class B, EN55024
27	Inbuilt USB port for faster installation (wifi dongle)	Required
28	IP66, IEC60529	Yes
29	NEMA 4X compliant	Yes
30	Vandal Resistance	Compliant with IEC 62262 IK10
31	Operating Temperature	-40 °C ~ +60 °C (-40 °F ~ 140 °F)

5.) Pole (6 Mtrs)

Sr. No	Description	Specification
1	Design	As per IS 875 for wind load calculation and IS 800 for design practices.
2	Height	6 mtrs
3	Wind Load	based on area of pole structure for 180kmph
4	minimum thickness	fabricated steel part or structural pipes shall be 3.2 mm.
5	Test certificates For all Parts	Must be made available
6	ferrous metal	hot dip zinc galvanized according to the applicable Standards after fabrication
7	Anchor and foundation designs	based upon the soil characteristics and parameters listed in the site geotechnical report or sufficient information supplied by the Customer
8	Climbing ladder	Available
9	Certification of design Calculation	certified by structural consultant of a government engineering college IIT/NIT

6.) Pole (3 Mtrs)

Sr. No	Description	Specification
1	Design	As per IS 875 for wind load calculation and IS 800 for design practices.
2	Height	3 mtrs
3	Wind Load	based on area of pole structure for 180kmph
4	minimum thickness	fabricated steel part or structural pipes shall be 3.2 mm.
5	Test certificates For all Parts	Must be made available

6	ferrous metal	hot dip zinc galvanized according to the applicable Standards after fabrication
7	Anchor and foundation designs	based upon the soil characteristics and parameters listed in the site geotechnical report or sufficient information supplied by the Customer
8	Climbing ladder	Available
9	Certification of design Calculation	certified by structural consultant of a government engineering college IIT/NIT

7.) Earthing

Sr. No	Description	Specification
1	Standard	IS 3043

8.) Commercial Grade Edge Switches: Enterprise Grade 16 Ports PoE+ Layer 2 Fully Managed

S.No	Features	Description
	Minimum Ports Density and Parameters	16 10/100/1000BaseT PoE+
		Additional 2*1G SFP slots
		Should support PoE+ as per IEEE 802.3at with PoE budget of 240W or more
	Performance	Switching Capacity: Non-Blocking
		Forwarding Rate: Wire Speed Non-Blocking
		Multicast: Wire Speed Non-Blocking
	Layer2 Features	IEEE 802.1D Spanning-Tree Protocol IEEE 802.1w Rapid Spanning-Tree Protocol IEEE 802.1s Multiple Spanning-Tree Protocol BPDU guard, Loop guard
		IEEE 802.1p QoS, Eight priority queues, Strict priority and weighted round robin, DSCP Rate limiting, Voice VLAN
		IEEE 802.1ab Link Layer Discovery Protocol (LLDP) Link Layer Discovery Protocol-Media Endpoint (LLDP-MED), Static trunking, IEEE 802.3ad Link Aggregation Control Protocol (LACP), Port-based and MAC-based VLANs Port protected VLANs, IEEE 802.1P GVRP, Double VLAN tagging (Q-in-Q)
	Multicast Features	IGMPv2, IGMPv3, IGMP snooping and MLD V1, V2 snooping
		Source-specific multicast for IP, IGMP query solicitation
	IPv6 Features	IPv4 and IPv6
		Device management over IPv6 networks with SNMPv6, Telnetv6 and SSHv6
		ICMPv6, NTPv6, DNSv6, DHCPv6 relay, 6to4 tunneling
	Security	SSH remote login, SSLv2 and SSLv3, TACACS+
		IEEE 802.1X authentication protocols (TLS, TTLS, PEAP and MD5)
		IEEE 802.1x, MAC-based and Web-based—can be enabled simultaneously on the same port.
		IEEE 802.1X port-based network access control

		RADIUS, RADIUS accounting, Secure Shell (SSHv2), ACL, Dynamic VLAN assignment
		DHCP (snooping, client, Server and relay)
		Switch should provide the ability to monitor events and take corrective action proactively
		Control plane denial-of-service (DoS) protection
	Resiliency	Link Aggregation (802.3ad LACP), Dynamic Link Failover Rapid Ring protection / Resiliency technology providing the convergence of Sub 50ms, Loop Detection and Loop protection -Thrash Limiting STP Root Guard, IEEE 802.1D Spanning Tree, Protocol (STP)-MAC Bridges, IEEE 802.1s Multiple Spanning, Tree Protocol (MSTP), IEEE 802.1t -2001 802.1D maintenance, IEEE 802.1w -2001 Rapid, spanning Tree protocol (RSTP)
	Management	Switch should able to support management via CLI, Web interface
		SNMP v1,v2,v3 support, RMON (groups 1,2,3 and 9), SNMP traps, sflow, Optical digital diagnostic monitoring as per SFF – 8472 or equivalent standards
		Switch should be manageable through both IPv4 & IPv6
		An External memory card / USB or equivalent, allowing switch firmware, configurations to be stored for backup and distribution to other switches
	Certifications	UL-UL60950-1, EN 55024, CE, ROHS
	Operating Temperature	0-45°C in continuous operation of 365 days 24 hrs
	Approved Makes	
		For ease of integration all active components (Switches, SFP, SFP+) should be of same OEM and the Test reports of the products should be submitted by the OEM

9.) Core Switch for 3-Tier Architecture: 24 Ports Gigabit Layer 3 Stackable

S.No	Features	Description
	Minimum Ports Density and Parameters	24 100/1000 SFP Ports
		Should support 2 10G SFP+ ports. The 10G SFP+ ports should support 1G SFP based on network requirement.
		Should have 2*1G Ports (Upgradable to 10G)
		Should support OpenFlow v1.3
		Should be equipped with dual internal redundant power supplies for higher availability
	Performance	Switching Capacity: Non-Blocking
		Forwarding Rate: Wire Speed Non-Blocking
		Multicast: Wire Speed Non-Blocking
	Layer2 Features	IEEE 802.1D Spanning-Tree Protocol IEEE 802.1w Rapid Spanning-Tree Protocol IEEE 802.1s Multiple Spanning-Tree Protocol BPDU guard, Loop guard
		IEEE 802.1p QoS, Eight priority queues, Strict priority and weighted round robin, DSCP Rate limiting, Voice VLAN

		IEEE 802.1ab Link Layer Discovery Protocol (LLDP) Link Layer Discovery Protocol-Media Endpoint (LLDP-MED), Static trunking, IEEE 802.3ad Link Aggregation Control Protocol (LACP), Port-based and MAC-based VLANs Port protected VLANs, IEEE 802.1P GVRP, Double VLAN tagging (Q-in-Q)
	Multicast Features	IGMPv2, IGMPv3, IGMP and MLD snooping Source-specific multicast for IP, IGMP query solicitation
	IPv6 Features	IPv4 and IPv6 dual stack Device management over IPv6 networks with SNMPv6, Telnetv6 and SSHv6 ICMPv6, NTPv6, DNSv6, DHCPv6 relay, 6to4 tunneling
	Security	SSH remote login, SSLv2 and SSLv3, TACACS+ IEEE 802.1X authentication protocols (TLS, TTLS, PEAP and MD5) IEEE 802.1x, MAC-based and Web-based—can be enabled simultaneously on the same port. IEEE 802.1X port-based network access control RADIUS, RADIUS accounting, Secure Shell (SSHv2), ACL, Dynamic VLAN assignment DHCP (snooping, client, Server and relay) Switch should provide the ability to monitor events and take corrective action proactively Control plane denial-of-service (DoS) protection
	Resiliency	Should support active-active clustering VSS / equivalent technology for higher availability of Layer 2 and Layer 3 including video applications The Active - Active Virtual chassis cluster should support technology functionality locally or over geographically diversified locations For Diversified Data center high availability operations Link Aggregation (802.3ad LACP), Dynamic Link Failover Rapid Ring protection / Resiliency technology providing the convergence of Sub 50ms, Loop Detection and Loop protection -Thrash Limiting STP Root Guard, IEEE 802.1D Spanning Tree, Protocol (STP)-MAC Bridges, IEEE 802.1s Multiple Spanning, Tree Protocol (MSTP), IEEE 802.1t -2001 802.1D maintenance, IEEE 802.1w -2001 Rapid, spanning Tree protocol (RSTP), RFC 3768 virtual Router Redundancy Protocol (VRRP), VRRPv3
	Management	Switch should able to support management via CLI, Web interface SNMP v1,v2,v3 support, RMON (groups 1,2,3 and 9), SNMP traps, sflow, Optical digital diagnostic monitoring as per SFF – 8472 or equivalent standards for 1G SFP and 10G SFP+ ports Switch should be manageable through both IPv4 & IPv6 An External memory card / USB or equivalent, allowing switch firmware, configurations to be stored for backup and distribution to other switches
	Certifications	UL-UL60950-1, EN 55024, CE, ROHS
	Operating Temperature	0-45C in continuous operation of 365 days 24 hrs
	Approved Makes	For ease of integration all active components (Switches, SFP, SFP+) should be of same OEM and the Test reports of the products should be submitted by the OEM

10.) Commercial grade Media Convertor

S. No	Parameter	Specifications
1	Industrial Gigabit media Convertor	Supports IEEE 802,Standard Operating Temp range 0 to 6 degree

11.) Outdoor Enclosure

S. No	Description	Specification
1	Dimensions (H x W x D)	300 x 400 x 210 mm
2	Color	RAL 7035
3	Construction	Round welded Steel construction Front hinged door with 130 degree opening with concealed hinges, bottom flush type gland with 4 holes at the rear wall for wall mounting provision with PU Foam in place gasketing with 1 number of fixed mounting plate at the inner rear wall.
4	Accessories	ELMAX Connector, MCB- 1Nos
5	Capacity	Should have space to house 24 Port LIU, 1 Nos Industrial grade Switch with PSU, 2 Nos Camera PSU.
6	Power Strips	6 Amp
7	Weather Protection	IP 66
8	Vertical Mounting Rails	Should be available
9	Cable Management Hardware	Should be available

12.) 12 U Rack

S. No	Description	Specification
1	Dimensions (H x W x D)	VTs
2	Color	VTs
3	Frame System	Steel frame
4	Maximum load bearing capacity	VTs
5	Capacity	19" mounting capacity
6	Power Strips	6 Amp; Vertical or Rack mount
7	UTP Patch Panel	24 Port UTP Patch Panel
8	Vertical Mounting Rails	Should be available
9	Cable Management Hardware	Should be available

13.) 42 U Rack

S. No	Description	Specification
1	Dimensions (H x W x D)	VTs
2	Color	VTs
3	Frame System	Steel frame
4	Maximum load bearing capacity	VTs
5	Capacity	19" mounting capacity
6	Power Strips	16 Amp; Vertical or Rack mount
7	UTP Patch Panel	24 Port UTP Patch Panel

8	Vertical Mounting Rails	Should be available
9	Cable Management Hardware	Should be available

14.) LIU –24 Port

Sr. No	Description	Specification
1	Form Factor	Panel/Rack Mount
2	Number of ports	6/12/24
3	Splice trays	Complete Aluminium body Provision for 6/12/24 fibre splices. Cushioned splice holder. Flame retardant plastic. Two halves spool design.
4	Cable spools	Flame retardant plastic. Two halves spool design
5	Enclosure	Aluminium/ powder coated housing
6	Make	VTs (Vendor to specify)
7	Model	VTs

15.) LIU –12 Port

Sr. No	Description	Specification
1	Form Factor	Panel/Rack Mount
2	Number of ports	6/12
3	Splice trays	Complete Aluminium body Provision for 6/12 fibre splices. Cushioned splice holder. Flame retardant plastic. Two halves spool design.
4	Cable spools	Flame retardant plastic. Two halves spool design
5	Enclosure	Aluminium/ powder coated housing
6	Make	VTs (Vendor to specify)
7	Model	VTs

16 & 17.) SFP Module:

Ports	1 RJ-45 1000BASE-T port (IEEE 802.3ab Type 1000BASE-T); Duplex: full
Environment	Operating temperature: 32°F to 158°F (0°C to 70°C); with 100 LFM airflow over the SFP module Operating relative humidity: 0% to 95% @ 75°F (25°C), noncondensing Non-operating/Storage temperature: -40°F to 185°F (-40°C to 85°C) Non-operating/Storage relative humidity: 0% to 95% @ 77°F (25°C), noncondensing Altitude: up to 10,000 ft. (3000 km)

18) OFC Patch cords (SC-LC)

S. No	Parameter	Specifications
1	Gigabit Support	Standard Operating Temp range 0 to 6 degree

19.) Power Cable – 3 Core 2.5 sq mm

S. No	Description	Specification
1	Model	3 Core 2.5 Sq.mm Armoured
2	Voltage Grade	1100 Volts
3	Type of Conductor	Copper
4	No of cores	3
5	No. of strands/core	7(multi)
6	Colour code	Red/Yellow/Blue
7	Core insulation	XLPE 0.7mm thick
8	Inner sheath	Extruded PVC type ST2
9	Armoured Material	Galvanised steel wire
10	Outer sheath	FRLS PVC type ST2

20.) OFC – 6 Cores

Sr. No	Description	Specification
1	Type	Single mode
2	Specification	IEC 60793-2-50, ITU G.652
3	Construction	Multi-fiber loose tube jelly filled
4	Number of fibers	6
5	Number of loose tubes	1
6	Laying	Direct burial in trenches
7	Strain relief	VTs
8	Overall sheath	Polyethelene
9	Armor	Steel armored
10	Attenuation at 1310 nm	0.38 db/ km
11	Attenuation at 1550 nm	0.25 db/ km
12	Fibre cut-off wave	>1150, ≤1320 nm
13	Polarization mode	≤0.5 ps/√km
14	Microbending loss at	≤0.05
15	Proof stress level	≥ 0.7 Gpa
16	Make	VTs (Vendor to specify)
17	Model	VTs

21.)CAT 6 – UTP

Sr.No	Description	Specification
1	CAT-6 UTP Cable	4 Pair Cable, 23 AWG Copper with integral cross -member pair separator for uniform characteristic impedance.
		Standardization ISO/IEC 11801 2nd Ed.; IEC 61156-5 2nd Ed.; EN 50173-1; EN 50288-6-1;
		EIA/TIA 568B.2.1
		Cable overall diameter :Ø 6.3 mm.
		Should have tensile strength of 100N.

		The cable should have 100ohm impedance and data transmission frequencies up to 250MHz. It should be certified by independent test labs like 3P/Delta to meet Cat -6 Standards. The cable should be supplied in 500m reel.
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22.) PVC Conduits

S. No	Description	Specification
1	Diameter	25mm
2	Thickness	Minimum 1.4mm
3	Material	PVC
4	Certification	ISI

23.) HDPE Pipe

HDPE Pipe	Speciation
HDPE Pipe	Size 40 mm, Thickness 3 mm

24.) GI Pipe

Pipe	Speciation
GI Pipe	GI Pipe(2"),ISI marked

25). Management Server

S. No	Parameter	Specifications
1	Processor	Intel Xeon E5-2620 v3 or better
2	Speed	2.4 GHz or Better
3	RAM	Minimum 16 GB
4	Level3 cache	15MB
6	Internal Storage (RAW) for O/S & Application	2 x 300GB SAS/SATA (RAID 1) 10K RPM
7	Internal Storage (Usable)	4 x 600 GB 15K SAS DRIVE (RAID 10)
8	Optical Drive	USB Multi DVD R/W
9	Network	1Gb Ethernet 4-port
10	Ports	Minimum 2 Nos USB Ports
11	Operating System	Windows 2012 R2 Std Edition 64 bit SP2
12	Input Devices	Standard Keyboard, Optical Mouse
13	RAID cache	512MB
14	RAID levels Supported	0,1,10,5,50,6,60

26).Recording Server for 98 Cameras

S. No	Parameter	Specifications
1	Processor	[Dual CPU] Intel Xeon E5-2620 v3 or better
2	Speed	2.4 GHz or better
3	RAM	Minimum 16 GB
4	Level3 cache	15MB
6	Internal Storage (RAW) for O/S & Application	2 x 300GB SAS/SATA (RAID 10) 10K RPM
7	Internal Storage (Usable)	8 x 600 GB 15K SAS DRIVE (RAID 10)
8	Optical Drive	Multi DVD R/W
9	Network	1Gb Ethernet 4-port
10	Ports	Minimum 2 Nos USB Ports
11	Operating System	Windows 2012 R2 Std Edition 64 bit SP2
12	RAID cache	512MB
13	RAID levels Supported	0,1,10,5,50,6,60

27.) Workstation

Sr. No	Description	Specifications
1	Processor	Intel core i7 processor
2	Speed	3.2 Ghz
3	FSB	1.333 Mhz
4	Level 2 Cache	6 MB
5	Memory	16 GB DDR3 SDRAM
6	Hard Drive	500GB SATA 3.0Gb/s
7	Optical Drive	Single drive : DVD +/-RW+CD-ROM
8	Graphics	2 GB dual Display Graphic Card NVIDIA or ATI Radeon for 4 Nos Workstation
9	Keyboard	Wireless / USB keyboard
10	Mouse	Wireless / USB Optical mouse
11	Cabinet	Tower
12	Power Supply	230VAC/50Hz
13	NIC	2x10/100/1000
14	Expansion Slots	2xPCIe/PCIx
15	OS	Microsoft Windows 7 Professional
16	Ports	Minimum 4 Nos USB ports

28.) 46 “ LED Display

S. No	Description	Specification
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1	Size	Minimum 46" LED
2	Display Resolution	Full HD1920 x 1080 pixels
3	Backlight Module	LED backlight panel
4	Video Signal	480/60i, 480/60p,1080/60i, 1080/50p (HDMI)
5	Bezel to Bezel thickness	Less than 10 mm
6	Viewing Angle (H/V)	178:178
7	Mounting	Wall Mounting

29.) 21" LED Display

Sl. No	Parameters/ Features Required	Required Specifications
	Diagonal Size	21.5"
	Type	LED backlit
	Resolution	1920*1080
	Aspect Ratio	16:9
	Interface	D-SUB, DVI-D/HDMI
	Power Supply	AC 230 V~ (+/- 10 %), 50 Hz
	Body Colour	Should match with workstation/server
	Environment	ENERGY STAR compliant
	Warranty	3 Years OEM Warranty

30 & 31.) Video Monitoring, Recording & Management software and Channel License (98 No's)

Sr. No	Description
1	<p>General</p> <p>The Video Management System shall be a fully distributed solution, designed for limitless multi-site and multiple server installations requiring 24/7 surveillance with support for devices from different vendors. The Video Management System shall offer centralized management of all devices, servers and users and must empower a flexible rule-based system driven by schedules and events.</p> <p>VMS shall already support IP cameras from at least fifty (50) major vendors. Bidders shall clearly list in their proposal the brands and models already integrated into VMS.</p> <p>The system shall support full integration with ONVIF & PSIA devices.</p> <p>To ensure openness, VMS and cameras may or may not be from the same manufacturer.</p> <p>VMS shall support installation and ability to run on virtualized windows servers</p> <p>VMS manufacturer shall provide their SDK (or any other integration means) libraries and documentation) to ensure a seamless integration with any other system</p> <p>VMS shall be open to any standard storage technologies integration.</p> <p>VMS shall be open to any video wall system integration.</p> <p>VMS shall have the possibility to integrate external Video Analytics systems.</p> <p>The VMS system shall be a scalable client – server architecture built using well known operating systems</p> <p>The VMS system shall enable recording to be done at the aggregation sites and shall allow the local Control center to import selected video's on demand.</p> <p>Aggregation site types shall be categorized according to function and size as per the table below.</p> <p>To facilitate the VMS system architecture, the BIDDER shall ensure that sufficient capacity is designed into the data communications & telecommunications infrastructure to deliver the required functionality, along with the ability to allocate and reserve resources (including bandwidth).</p>

	<p>VMS should provide a browser based download manager to install all system components like: Management Server Recording Server Failover Recording Server Client Software Event Server etc. This feature should get activated once the Management Server is installed.</p>
	<p>The VMS data communications and telecommunications network shall use a suitable transport medium and associated cabling and data transmission infrastructure that will support real-time video display of cameras at the nominated operations centers. The type of transmission network shall be determined by the BIDDER.</p>
	<p>The VMS system shall be compatible to single and multiple processor servers. The server processor & hardware shall be optimized in all cases.</p>
	<p>The VMS system shall cluster the processing & memory load across several machines. The failure of any one server in the solution shall not cause a failure in the entire system.</p>
	<p>The VMS system device drivers shall be stored separately to the central core application to ensure any instability in 3rd party SDKs do not affect the core application. Device driver update should only require updating the recording server components. Management Servers and Client machines should not require any update during a device driver update.</p>
	<p>The VMS management server shall be able to intelligently scan an IP network for new devices (cameras or servers) along with automatic model detection.</p>
	<p>Network infrastructure and installation are the responsibility of the Bidder. Network components both active and required for the successful implementation of the video surveillance detailed in this tender shall be provided by the Bidder. The network infrastructure shall meet the streaming requirement of the project without any bottlenecks. The network infrastructure shall support UDP multicast, UDP unicast and TCP transmission.</p>
	<p>The VMS system shall provide an integrated secure, scalable and easily accessible software-based solution for the management of the existing & future physical security infrastructure.</p>
	<p>The VMS system shall provide a powerful and efficient management interface for all the security systems across all monitored sites.</p>
	<p>The Video Management System shall be a fully distributed solution, designed for limitless multi-site and multiple server installations requiring 24/7 surveillance with support for devices from different vendors. The Video Management System shall offer centralized management of all devices, servers and users and must empower a flexible rule-based system driven by schedules and events.</p>
	<p>The Video Management System shall contain recording servers used for recording video feeds and for communicating with cameras and other devices. The recording servers shall process the recordings and playback the video streams.</p>
	<p>The Video Management System shall include a federated architecture allowing clients on the host system with the right user rights to view video sources belonging to multiple independent Video Management Systems simultaneously, as if they were on The Video Management System shall contain a management server that shall be the central manager of the system and control recording servers, cameras, devices and users. The management server shall handle the initial client login, system configuration and logging.</p>
	<p>The management server shall allow access to a system manager from where the administrator can configure and manage all servers, cameras and users.</p>
	<p>The system shall allow the management server to be installed on multiple servers within a cluster of servers ensuring that another server in the cluster automatically takes over in case the first server fails.</p>
	<p>The Video Management System shall support installation and ability to run on virtualized Windows® servers.</p>
	<p>The Video Management System shall allow an unlimited number of cameras to be connected to each recording server and an unlimited number of recording servers to be connected to each management server across multiple sites, if required.</p>

	<p>The Video Management System shall support high availability of recording servers. A failover option shall provide standby support for recording servers with automatic synchronization to ensure maximum uptime and minimum risk of lost data.</p> <p>VMS should not require separate licenses for the failover recording servers.</p>
	<p>The Video Management System shall support a versatile rule system including scheduled or event-driven actions with numerous options including support to time profiles.</p>
	<p>The Video Management System shall support Microsoft Windows XP Professional, Microsoft Windows Server 2003, Microsoft Windows Server 2008, Microsoft Windows Vista (Business/Enterprise/Ultimate) and Microsoft Windows 7 (Business/Enterprise/Ultimate) with the latest patches and service packs installed. The system must use DirectX and .NET Framework.</p>
	<p>The Video Management System software shall include multicast and multi-streaming support.</p>
	<p>The Video Management System shall include automatic camera discovery.</p>
	<p>The Video Management System shall support archiving for optimizing recorded data storage through unique data storage solutions by combining performance and scalability with cost efficient long-term video storage.</p>
	<p>The Video Management System shall incorporate fully integrated matrix functionality for distributed viewing of any camera in the system from any computer with the client viewer.</p>
	<p>The Video Management System shall incorporate intuitive map functions allowing for multilayered map environment. The map functionality shall allow for the interactive control of the complete surveillance system, at-a-glance overview of system integrity, and seamless drag-and-drop integration with video wall module option.</p> <p>VMS shall include software module for management of client layouts when used in a multi-monitor set-up.</p>
	<p>The Video Management System shall support 56-bit encryption of video for export purposes. The 56-bit encryption shall meet the US Government requirements on export limits for encryption.</p>
	<p>The Video Management System shall support full two-way audio between clients and remote devices. Two-way audio integration shall support the following features and functions:</p>
	<p>The Video Management System software shall provide fast evidence export by exporting in video to various formats, including video from multiple cameras in encrypted native database format with an included viewer.</p>
	<p>The Video Management System shall show full awareness of the system through audit logs and shows user activity through comprehensive logs.</p>
	<p>The Video Management System shall include support for a frame work data module designed to integrate multiple third party Video Content Analysis (VCA) solutions seamlessly into client viewer environments.</p>
	<p>The Video Management System shall include a Software Development Kit (SDK) that offers important capabilities for integrating the Video Management System with third party software and applications.</p>
	<p>The Video Management System shall include a stand-alone viewer application to be included with video exported from the client viewer application. The viewer application shall allow recipients of the video to browse and playback the exported video without installing separate software on their computers.</p>
	<p>The Video Management System shall include support for Active Directory to allow users to be added to the system. Use of Active Directory requires that a server running Active Directory, acting as a domain controller, to be available on the network.</p>
	<p>The Video Management System shall be designed to support each component on the same computer for efficiency in smaller systems, or each component on separate systems for large system deployments.</p>
	<p>Edge Storage</p>
	<p>Edge storage shall secure that when a lost or broken connection is back up, the data stored on the camera's internal storage shall be retrieved and stored in the media database.</p> <p>Edge storage shall secure that after recovery from a malfunction it shall be possible to play back and view the video, and audio recorded by the device, while the malfunction persisted.</p>

	VMS timeline shall be able to specifically designate any pending recording patches which are being fetched / yet to be fetched from the camera SD card.
2	<p>Bookmarking</p> <p>A bookmarking feature shall be included in the Video Management System, allowing the client viewer users to mark incidents on live and/or playback video streams.</p>
3	<p>Optimized Video Archiving</p> <p>Administrators shall be able to select a storage container for each device and move a device from one storage container to another, or move all recordings inclusive archives to the new storage container, or delete them all.</p> <p>Administrators shall be provided with an overview of the defined storage containers, their archives with path, and free and used space on the drives for each device, including the used storage space in the recording database, and in archives.</p>
4	<p>Failover Support</p> <p>The system shall support automatic failover for recording servers. This functionality must be accomplished by a failover server that shall work as a standby unit, which takes over in the event that one of a group of designated recording servers fails. Recordings shall be synchronized back to the original recording server once it is back online.</p> <p>The system shall support multiple failover servers for a group of recording servers.</p> <p>The system shall provide monitoring of all failover servers from the graphical alarm management module.</p> <p>The system shall provide seamless access to recordings on the failover Server for all clients through the same client views once the services are fully started.</p>
5	<p>Multicast Support</p> <p>The system shall support multicasting of video feeds to client workstations in order to conserve network resources. Multicasting should be enabled from the recording servers and not directly from the cameras. Thus the IGMP network would be necessary only for the switches where server and clients are connected.</p> <p>Multicasting shall send a single stream of video to multiple clients, where the stream may be decoded and displayed on all clients simultaneously. This functionality shall support virtual matrix configurations.</p> <p>The infrastructure provided for the system shall support Internet Group Management Protocol (IGMP) for each remote network.</p> <p>The system shall automatically switch to unicast, if the client fails to connect to the multicast stream.</p>
6	<p>Multi-streaming Support</p> <p>The recording server must accept, display and record individual streams of video from each camera that supports it, for example, display a stream in H.264 format and record another stream in MPEG4 format. The intent of this functionality shall be providing independent streams of video from the camera to the server with different resolution, encoding and frame rate.</p> <p>Multi-streaming support shall allow the system to be configured with H.264 with a high frame rate for live viewing and shall allow the system to be configured with high resolution H.264 at low frame rates for recording and playback.</p> <p>The system shall allow recorded video to be recorded at 8fps.</p>
7	<p>SNMP Support</p> <p>The system shall act as an SNMP agent which can generate an SNMP trap as a result of rule activation in addition to other existing rule actions.</p> <p>The system shall be able to utilize Microsoft Windows SNMP Service for triggering of SNMP traps.</p>
8	NAT Firewall Support

	<p>The system shall support port forwarding, which must allow clients from outside of a Network Address Translation (NAT) firewall to connect to recording servers without using a VPN.</p> <p>Each recording server shall be mapped to a specific port and this port must be forwarded through the firewall to the recording server's internal IP address.</p>
9	<p>Management Server Redundancy</p> <p>The management server shall provide a resilient system solution based on Windows Server Clustering, to secure maximum uptime.</p>
10	<p>Alarms Support</p> <p>The alarm support shall allow for continuous monitoring of the operational status and event-triggered alarms from servers, cameras and other devices.</p> <p>The alarm support shall provide a real-time overview of alarm status, or technical problems, while allowing for immediate visual verification and troubleshooting.</p> <p>Along with Alarms, VMS client should be able to show the alarm message, related cameras and maps as well as alarm overlays in case of Video analytics alarm.</p> <p>VMS should be capable to raise alarm in the following cases:</p> <p>Storage Disconnection / Unavailability</p> <p>Camera video loss</p> <p>Recording Server Unavailability</p>
11	<p>Client Features</p> <p>The system shall include an integrated matrix solution for distributing video to any computer with the client viewer installed. A computer on which the matrix-triggered images can be shown must be known as a matrix recipient.</p> <p>Configuration of Matrix should only be possible using a password so that only authorised client users with the password will be able to configure such matrix views on their client software.</p> <p>The client viewer shall provide remote users with a comprehensive suite of features:</p> <p>It shall be possible to view live video from cameras on the surveillance system from 1 to 98 per view.</p> <p>It shall be possible to playback recordings from cameras on the surveillance system, with a selection of advanced navigation tools, including an intuitive timeline browser.</p> <p>It shall be possible to create and switch between an unlimited number of views, each able to display video from up to 98 cameras from multiple servers at a time. The system shall allow views to be created which are only accessible to the user, or to groups of users based on 37 different layouts optimized for 4:3, 4:3 Portrait, 16:9 and 16:9 Portrait display ratios.</p> <p>It shall be possible to access views of cameras on any PC with a client viewer application installed.</p> <p>It shall be possible to use multiple screens as well as floating windows for displaying different views simultaneously.</p> <p>It shall be possible to quickly substituting one, or more of a view's cameras with other cameras.</p> <p>It shall be possible to view images from several cameras in sequence in a single camera position in a view – a so called carousel.</p> <p>It shall be possible to view video from selected cameras in greater magnification and/or higher quality in a designated hotspot.</p> <p>Client software should support dual authorization feature so that user is allowed to login only when two login credentials are entered - user and supervisor.</p> <p>Client software should be able to overlay the following information on every video panel:</p> <p>FPS</p> <p>Codec info</p> <p>Resolution</p> <p>Multi-cast status</p> <p>Hardware Acceleration Status</p> <p>Lost Frames</p> <p>Motion Detected</p>

	VMS should support unlimited number of clients without any additional licenses.
	VMS client should support Hardware Acceleration feature by using the GPU for video decoding to bring down the CPU utilization and support more number of cameras on any given workstation.
	It shall be possible to receive and send video through the matrix functionality.
	It shall be possible to include HTML pages and static images (for example, maps, or photos) in views.
	It shall be possible to control PTZ cameras.
	It shall be possible to use digital zoom on live as well as recorded video.
	It shall be possible to activate manually triggered events.
	It shall be possible to activate external outputs (e. g. lights and sirens).
	It shall be possible to use sound notifications for attracting attention to detected motion.
	It shall be possible to get quick overview of sequences with detected motion.
	It shall be possible to get quick overviews of alerts.
	It shall be possible to quickly search selected areas of video recording for motion.
	It shall be possible to skip gaps during playback of recordings.
	It shall be possible to configure and use several different joysticks.
	It shall be possible to print images, with optional comments.
	It shall be possible to copy images for subsequent pasting into word processors, email, etc.
	It shall be possible to export recording (for example, for use as evidence) in AVI, JPEG and database formats.
	It should be possible in VMS to merge recorded video sequences from different or overlapping time intervals from different cameras to one and same the export. It will provide a consolidated video evidence for a complete overview of incidents.
	It shall be possible to use pre-configured as well as customizable keyboard shortcuts to speed up common actions.
	It shall be possible to insert overlay buttons, for example, for activation of speakers, events, outputs, movement of cameras etc.
	It shall be possible to use a sequence function that lists thumbnail images representing recorded sequences from an individual camera or all cameras in a view.
	It shall be possible to use a forced playback mode allowing the user to playback recorded video from inside the 'live' mode while viewing 'live' video.
	The client viewer shall support the use of 3-axis USB joysticks for control of pan, tilt, zoom and auxiliary camera functions.
	The client viewer shall support the use of multimedia control devices, which are capable of emulating keystrokes, for the efficient review of recorded video.
	The client viewer shall support the use of keyboard shortcuts for control of standard features. It shall allow the user to program numerical keyboard shortcuts for camera views. The shortcut number shall be displayed with the view description in the live and playback displays. The shortcut shall allow the user to change views with 2 to 3 keyboard entries.
	The client viewer shall have the capability to receive multicast streams. The client viewer shall have the capability to detect if the network becomes unreliable and to automatically switch to unicast to ensure that the operator is able to receive video.
	The operator shall have the ability to use digital zoom where the zooming is performed in the image only on any number of cameras simultaneously. This functionality shall be the default for fixed cameras. The use of digital zoom shall have no effect on recording, or other users.
12	Map Functions
	Built-in map function in the client viewer shall provide an intuitive overview of the system and shall offer integrated access to all system components.
	Map function shall be able to use standard graphical file formats including: jpg, gif, png, tif, etc.
	It shall be possible to use any number of layered maps, and it shall be possible to easily drag-and-drop and point-and-click definition of cameras, servers, microphones, speakers, I/O

	devices, hot-zones, and PTZ camera presets.
	Hot zones shall be allowed for intuitive navigation between different map levels.
	Map function shall support instant camera preview when moving the mouse pointer over a specific camera.
	Map function shall support central overview of the surveillance system via an alarm list containing alarm indicators of high, medium or low prioritized alarms. Furthermore the alarms shall be categorized by the following states; new, in progress, on hold, or closed. Alarms must be possible to acknowledge by right-clicking elements on maps.
13	Remote Client Viewer
	The web-based remote client viewer shall offer live view of up to 16 cameras, including PTZ control with joystick, fisheye (360 degrees) cameras and event/output activation. The playback function shall give the user concurrent playback of up to 16 recorded videos with date, alert sequence, or time searching.
	Web-client should have support for Windows, Linux and Macintosh OS (supporting IE, Chrome, Firefox and Safari browsers).
	The web-based remote client viewer shall offer quick overviews of sequences with detected motion.
	The web-based remote client viewer shall be able to generate and export evidence in AVI (movie clip) and JPG (still image) formats.
	The system shall support the use of separate networks, VLANs, or switches for connecting the cameras to the recording servers providing physical network separation from the clients, and facilitate the use of static IP addresses for the devices.
	The system shall support H.264, MPEG-4 (Part 2), MPEG-4 ASP, MxPEG, and MJPEG compression formats for all analog cameras connected to encoders, and all IP cameras connected to the system.
	The system shall support dual-streaming cameras and shall cover the following compression formats: H.264, MPEG-4 (Part 2) and MJPEG.
	The recording server shall utilize high performance ISCSI, SCSI, SAS and SSD disk drives for online recording storage and shall allow the use of lower cost SATA drives for the RAID arrays for online archive storage. Use of online archiving shall ensure that data always is readily available. Use of tape-backup systems shall not be acceptable.
	The system shall allow the frame rate, bit rate and resolution of each camera to be configured independently for recording. The system shall allow the user to configure groups of cameras with the same frame rate, bit rate and resolution for efficient set-up of multiple cameras simultaneously.
	The recording server(s) shall have the ability to support multiple Network Interface Cards (NIC) and shall support connection to the cameras on a network separate from the client viewer, management server and system manager.
	The recording server shall have the ability to accept the full frame rate supplied by the cameras, while recording a lower frame rate yet still shall make the higher frame rate available to the clients for live viewing.
14	Remote Mobile App
	Shall be available on internet as an application for compatible smartphone and Tablets
	Shall support Android as well as Apple IOS softwares, with respective smart phones
	Full screen video supported, cameras shuffle from left to right or right to left supported
	Digital pinch to zoom supported
	Control of PTZ from mobile app
	Use of the mobile device's camera as a camera in the VMS
	VMS should support Video Push functionality which will allow any Android Phones / iPhone to push live video from the mobile to the recording servers.
	Along with Video Push, VMS mobile app should support Geo tagging to send location info. During Video Push, user should be allowed to set a bookmark so that such pushed video can be referenced and interpreted easily.

15	System Monitor & Configuration Reports
	<p>The system monitoring feature shall make it possible to view system information and create reports on:</p> <ol style="list-style-type: none"> 1. Management servers (show CPU and memory usage) 2. Recording server (show CPU and memory usage and usage data for disks, storage, networks and cameras) 3. Failover servers (show CPU and memory usage) 4. Additional servers (show CPU and memory usage on log servers, events servers, and so on. 5. Cameras (such as camera status, if the individual camera is recording, the recording server the camera is connected to and more)
	The VMS solution shall support a functionality to generate a PDF that shall document all parts of the system configuration, including preview of video.
16	Automatic Sensitivity Adjustment for Motion Detection
	Automatic sensitivity control for recording server-based motion detection adjusts sensitivity levels to optimize the motion detection algorithm according to the background noise level in the video stream. The feature significantly enhances the accuracy of motion detection analysis in environments with changing light conditions, while eliminating the need for manual adjustment.
17	VMS client should support Hardware Acceleration feature by using the GPU for video decoding to bring down the CPU utilisation and support more number of cameras on any given workstation

32.) UPS - 6 KVA

Sr. No	Description	Specification
1	Topology	Double Conversion Online
2	Nominal Output Voltage	230 V (Configurable for 220 : 230 or 240 nominal output voltage)
3	Efficiency at Full Load	94%
4	Output Power Capacity	5400 Watts / 6000 VA
6	Nominal Input Voltage	230V
7	Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)
9	Bypass	Built in Static Bypass
10	Battery Type	No internal battery - uses external battery system SMF type for 30 min backup on full load.

34.) Power DB

Sl. No	Parameters/ Features Required	Required Specifications
	32Amps MCB	1nos for Incoming
	16 Amps MCB	2Nos for out going
	Power Supply	Single Phase only
	Accessories	All

35.) Air Conditioner:

Sl. No	Parameters/ Features Required	Required Specifications
	Capacity	1.5 Ton or better
	BEE Energy Rating	3 Star or better
	Power Supply	Single Phase only

	Accessories	All
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35.) Furniture

Sl. No	Parameters/ Features Required	Required Specifications
	General Features	Bidder shall provide industrial grade furniture items as a minimum from reputed manufacturers/ suppliers meeting Standards. The furniture shall latest with ease of operational features. The furniture shall be modern, aesthetically designed, modular, flexible, space saving and future safe.
	Work Station furniture	Modular work station furniture, suitable for mounting Servers / Work Stations etc
	Chairs	Industry standard revolving chairs with wheels) shall be provided for the personnel in control room area.
	Approval	Industry standard computer tables shall be provided & shall be as approved by Employer during detailed Engineering.

1.)Full Height Single Lane Turnstile specs

Sr .No.	Specification	Description
1	Model	Single lane full height turnstile
2	Height	Height of Turnstile is 2212 MM (Approx.) Passage clearance height is 2000 MM (Approx.)
3	Rotor Type	4 x 90 degree stop to prevent passage of two person at a time
4	Technology	Electro-mechanical mechanism
5	Walkway / Passage Clearance	530 MM (W) x 2000 MM (H) (Approx.)
6	Dimension	Height: 2212 mm :2212mm (Approx.) Length: 1500 MM :2150mm (Approx.) Width: 1500 MM :1500mm (Approx.)
7	Rotor arm dia	min 38mm
8	Power	230 VAC +/- 10% single phase
9	Frequency	50 Hz
10	Duty cycle	Intensive use
11	Power consumption	80 Watt approx. per lane
12	Material of construction	Frame: Mils steel powder coated or 304 Stainless Steel Rotor & Bars: 304 Stainless Steel with special treatment Optional: SS316 material can be provided for higher corrosion protection
13	Internals	Head Mechanism parts: Casting Zinc plated for corrosion resistance.
14	Power OFF	Fail Safe and Fail Lock variants available
15	Housing design	Hexagonal design for better aesthetic with built in lane indicators

16	Operation	Bi-directional
17	Locking	Mechanism to prevent the turnstile rotating in the opposite direction once it has travelled 25 degree past the rest position
18	Self centering mechanism	With hydraulic damping to ensure head always rotates quietly and smoothly to the neutral position
19	Through Put	10 – 15 Persons per minute per Lane depends on input from access control
20	Integration	With access control devices
21	Outdoor application(optional)	Canopy to be provided (2.4mm thk polycarbonate sheet)
22	Certification	CE

2.) Full Height double lane Turnstile gate

Sr .No.	Specification	Description
1	Model	Dual lane full height turnstile
2	Height	Height of Turnstile is 2212 MM. Passage clearance height is 2000 MM
3	Rotor Type	4 x 90 degree stop to prevent passage of two person at a time
4	Technology	Electro-mechanical mechanism
5	Walkway / Passage Clearance	530 MM (W) x 2000 MM (H)
6	Dimension	Height: 2212 mm :2212mm Length: 1500 MM :2150mm Width: 1500 MM :1500mm
7	Rotor arm dia	min 38mm
8	Power	230 VAC +/- 10% single phase
9	Frequency	50 Hz
10	Duty cycle	Intensive use
11	Power consumption	80 Watt approx. per lane
12	Material of construction	Frame: Mills steel powder coated or 304 Stainless Steel Rotor & Bars: 304 Stainless Steel with special treatment Optional: SS316 material can be provided for higher corrosion protection
13	Internals	Head Mechanism parts: Casting Zinc plated for corrosion resistance.
14	Power OFF	Fail Safe and Fail Lock variants available
15	Housing design	Hexagonal design for better aesthetic with built in lane indicators
16	Operation	Bi-directional
17	Locking	Mechanism to prevent the turnstile rotating in the opposite direction once it has travelled 25 degree past the rest position
18	Self centering mechanism	With hydraulic damping to ensure head always rotates quietly and smoothly to the neutral position
19	Through Put	10 – 15 Persons per minute per Lane depends on input from access control
20	Integration	With access control devices
21	Outdoor application(optional)	Canopy to be provided (2.4mm thk polycarbonate sheet)
22	Certification	CE

3.) Electromagnetic Lock for Single/Double leaf Door

Sr.No	Features	Specification
1	Holding Force	1200 lbs
2	Input Voltage	12 VDC, 300mA
3	Activation	Should be activated by the power driven from Controller itself. No additional Power supply required.

Type of Cameras with location wise

S.no	CCTV Locations	location	Bullet	PTZ	Dome	Fish EYE
1	3rd Floor Focusing Lift & Stairs	Admin		1		
2	3rd Floor Focusing towards toilet	Admin	1			
3	3rd Floor Focusing towards stair	Admin	1			
4	2nd Floor Focusing Lift & Stairs	Admin		1		
5	2nd Floor Focusing Lift & Stairs	Admin	1			
6	2nd Floor Focusing Lift & Stairs	Admin	1			
7	1st Floor Focusing Lift & Stairs	Admin		1		
8	Ground Floor above X-ray Machine	Admin	1			
9	Top Floor of Admin Building High Res Camera	Admin		1		
10	Entrance of Admin Gate	Admin	1			
11	Exist Admin gate	Admin	1			
12	Parking Area admin	Admin	1			
13	Old mint gate High Res Camera	Out side		1		
14	Outside GM guest House	Out side		1		
15	opposite to Factory Gate on pole	Out side	2			
16	Left side of outside FG on pole High Res Camera	Out side		1		
17	On top of Factory building High Res Camera	Factory area		1		
18	Focusing Factory gate entrance	Factory area	1			
19	Bailing section	Factory area	1			
20	Bailing scrap area	Factory area	1			
21	Canteen area	Factory area	1			
22	Watch tower 2 near canteen	Factory area		1		
23	Old canteen	Factory area	1			
24	Walking area from stores towards canteen	Factory area	2			
25	Sub station near canteen	Factory area	1			
26	opposite Tripods	Hall 1	1			
27	On hall 1 entrance Covering corridor	Hall 1	1			
28	Inside Mechanical section	Factory area	1			

29	Inside hall 1 entrance towards stores entry	Hall 1	1			
30	On pillar no 1 in hall 1	Hall 1	1			
31	Pillar 4 covering VDP machine hall 1	Hall 1	1			
32	vault cage hall 1	Hall 1	2			
33	Pooja alter hall 1	Hall 1	1			
34	Cutting machine Hall 1	Hall 1	1			
35	Above toilet covering stores entrance	Hall 1	1			
36	Brigantine Machine cover	Hall 1	2			
37	Inside Stores above hall 1 entry	Stores	1			
38	Centre of the store	Stores				1
39	Inside Time Office	Time office	1			
40	Pre-press section	Pre-press	1		5	
41	Above hall 2 entrance covering corridor	Hall 2	1			
42	Above entry of hall 2	Hall 2	1			
43	Above toilet covering hall 2 corridor	Hall 2	1			
44	Above register area covering ink stores	Hall 2	1			
45	Above ink stores area covering register area	Hall 2	1			
46	Covering RD area	Hall 2	1			
47	Inside Wista machine 1 & 2	Hall 2	2			
48	Above Wista 1 covering cage hall 2	Hall 2	1			
49	Right side entrance covering cage area hall 2	Hall 2	1			
50	Above Rotateke 1	Hall 2	1			
51	Above Rotateke 2	Hall 2	1			
52	Above Grapha	Hall 2	1			
53	Above Envelope	Hall 2	1			
54	Above Tool Crib covering env Machine	Hall 2	1			
55	Covering Ink stores	Hall 2	1			
56	Outside hall 3 Covering carpeting area	Hall 3	1			
57	Above hall 3 entrance covering corridor towards hall 4	Hall 4 & 3 corridor	2			
58	Focusing entrance hall 3 entrance on first pillar	Hall 3	1			
59	APFM covering corridor towards Fire exit	Hall 3		1		
60	Above Cpsss entrance on ceiling	Hall 3	1			
61	APFM 1	Hall 3	2			
62	APFM 2	Hall 3	2			
63	Main conference hall beside Machine	Hall 3	1			
64	Packing CPsss covering Entrance	Hall 3	1			
65	Covering area near LIFT	Hall 3	1			

66	Inside Cage	Hall 3	1			
67	Inside CPSSS	Hall 3	2			
68	Focusing 150 door	Hall 3	1			
69	Above hall 4 entrance covering corridor towards hall 3	Hall 3 & 4 corridor	1			
70	Near temple covering Lift and side area	Hall 4	1			
71	Covering Safe	Hall 4	1			
72	Covering Entrance hall 4 on pillar	Hall 4	1			
73	Covering corridor near toilet	Hall 4	1			
74	Shirking package section	Hall 4	1			
75	Section D	Hall 4	1			
76	Section C	Hall 4	1			
77	Section B	Hall 4	1			
78	Section A	Hall 4	1			
79	Section G	Hall 4	1			
80	Section E	Hall 4	1			
81	Section H	Hall 4	1			
82	One Camera towards old canteen	Factory area	1			
83	Camera at watch tower- 2	Factory area		1		
84	CCTV CAMERAS CONTROL ROOM	Admin Building	1			
Total			81	11	5	1
Grand Total			98			

Turnstile Gate

S.no	Turnstile Gate	location	Qty
1	Dual lane full height turnstile	Near Time Office	2
2	Single lane full height turnstile	Factory Gate (workmen entry)	1

SCOPE OF WORK IN DETAIL: --

- The scope of work in this specification includes Design, fabrication, manufacture and assembly, inspection, shop testing at manufactures works, supply, transportation to site, site testing, erection and commissioning software integration, training and performance testing of the complete IP BASED STANDALONE CCTV SURVEILLANCE SYSTEM ON TURN KEY BASIS.
- It is highly preferable to provide the CCTV solution based on open architecture with any one of the approved makes. Proprietary products / solutions are not acceptable.
- The firm will have to carry out detail engineering, preparation and submission of all drawings as specified in this specification including preparation and submission of area wise bill of materials, layout and erection drawings showing location of all system equipment and components, power and data cables for IP network, cable tray/rack and conduit routing.
- It shall include SITC on Turn Key basis of all accessories including secondary power supplies for back up and fail safe operation i.e. hardware, software, supports, data cables, UPS, storage and retrieval media, viewing stations, servers, CAT 5 or CAT 6 cables, O.F cable, markers, power cables & conduits, software and software integration, earthing to the equipment, mounts, structures, etc, as required for the satisfactory operation of the system.
- This will include fixing of camera using suitable camera mount (as per site requirement) complete with required civil and fabrication works, creating backbone for the system by laying the required data and power cables cable laying & termination/splicing of all cables, fixing of cable trays, conduits, installation and commissioning of all items supplied under CCTV system as required basis.
- Mounting & installation of Servers, Racks recording/storage devices, viewing stations and connecting to network.
- Integrating the whole system for optimum performance.
- The proposed Cameras at Gates will be installed on dedicated poles for this purpose. The fixed cameras at various sections are to be installed on walls or on Trusses where walls are not available, using proper mounting brackets and pipes duly painted and finished complete with Fasteners, clamps to support the required load.
- Erection and commissioning of networking e.g., cables (UTP/OFC thru' conduit/cable tray), network panels, switches, enclosure, switch media converter, LIU, patch cords etc.
- Termination and testing of OFC (all cores)
- The firm shall bear full responsibility for all kinds of maintenance which include periodic maintenance as well as attending to all break-down and emergency calls at short notice whenever called. During the DLP and after DLP/Warranty.
- All equipment and components supplied shall be new and of manufacturer's current model.
- All equipment and components shall be installed in strict compliance with manufacturers' recommendations and as per the standards in vogue. Also the firm shall consult the manufacturer's installation manuals for all wiring diagrams, schematics, physical equipment sizes, etc., before beginning system installation.
- The firm shall Design the system and its complete layout as per the defined quantities in various sections of SPPH. Prepare and submit detailed performance data of various system modules and drawings, detailed selection and drawings of various devices. Wiring drawings and details and makes of OFC/Power cables and wires.
- The successful firm will have to provide complete manufacturer's specifications for all items that are to be supplied. Including vendor name, for every item to be supplied, part number, model number etc in detail. The firm on whom PO will be placed will have to get all the supplied material as per the PO and then only the execution shall start.

- No used components shall be used as any part or piece of installed system.
- Vendor should ensure warranty of the System for 2 years from the date of FAT (Final Acceptance Test) /DLP (Defect Liability Period) by SPP and shall give service back up for 7 x 24 hrs of a week against any failure, software / hardware problem etc.
- Selected Tender L1 Bidder have to submit quotation for 5 Years compressive AMC of CCTV project along with Turnstiles gates maintenance it will be applicable after completion of 2 Year warranty period.
- The Warranty period will start only after FAT of the system is performed to the full satisfaction of SPP
- All the software's supplied shall be licensed software's.
- Providing Application software OEM copies along with license keys and passwords.
- The successful firm will have to give the escalation matrix for their service personnel.
- Necessary training for the successful operation & trouble shooting/maintenance of the entire system including software integration is to be given to SPP's four Engineers & SPP staff
- The firm will provide as-built documentation & all other associated project operational documentation (such as technical manuals, Original copies of the software etc.) on approved media, the sum total of which accurately represents the final system.
- Provide all the software on CD's and HDD for future use by SPP. The supplied software shall not have any validity period.
- All the major components of the CCTV system shall be manufactured in a factory where IS/ISO 9001/2008 Quality system CERTIFICATION.
- The VMS & Analytical software should be open Network Video Interface Forum (ONVIF) compliant preferably of the same OEM as that of CCTV Cameras.
- The cameras shall have multi-level user name or password protection and IP filtering and HHPS for high security requirements.
- The storage of the system shall be attached to the server running the application and the size and rating shall be suitable for storage of data. The storage system shall have ability to store and record all the videos of 98 cameras for at least 90 days period real time recording with mini 15 fps. After the period of 90 days, it shall start overwriting the disk on FIFO basis. It shall also allow retrieving of any video during the span of this period without affecting the quality of the video.
- The network type selected should be such that failure of one device or loop shall not affect the other devices and loops.
- Necessary hardware/software locks shall be designed and provided to prevent unauthorized access from and to a private network.
- Virus scanners with up to date filters must be installed on all computers.
- All the viewing station monitors shall be without access to internet or any networking with any other outside PC or any media storage device.
- All cameras shall be true IP cameras.
- The number of license obtained with the system for the various devices like the Cameras, VMS, Server, switches etc. shall be confirmed by the firm in the quotation.
- All outdoor cameras and related accessories like JB's, Power supply, media converters etc shall have IP66 housing.
- The Video management software shall offer both video stream management and video stream storage management. Recording frame rate and resolution in respect of individual channel shall be programmable
- Scope includes Erection and commissioning of all the interfaces.
- Installation and configuration of all the software's e.g., VMS, VA, AV etc. Configuration e.g., related to VMS / Video analytic software, demonstration of functionalities, operation and maintenance procedure, handing over, end user training etc.
- Demonstration of functionality to SPP's END users
- Training on operation and maintenance to end users.
- All flexible cables shall be laid in GI conduits/flexible GI conduits with proper markings.
- Bidder shall supply and install the, necessary CAT6 interconnecting cables, patch cords, jacks, jack panels, trays, conduits and other accessories as required for the satisfactory

operation of the system along with any other devices and components for completion of the systems.

- The basic architecture /backbone of the system shall be such that in the event of any of the loop failure/problem, the other loop cameras shall continue to work.
- The CCTV equipment shall be carefully designed to determine their conformance with reference to material, workmanship, finish, markings and dimensions to assess its conformance with other requirements of national and International standards stated or reasonably implied otherwise. However, all the constituent units of CCTV System supplied to the provisions of this specification shall be subjected to visual, dimensional and functional inspection and testing to the satisfaction of SPP authorities.
- All the cameras shall be true IP based cameras. The IP based standalone CCTV surveillance system shall monitor on real time basis , store and display the activation of each camera in the system on 24x 365 days basis for retrieval as per SPP's requirement as stated in this specification.
- The wiring shall be monitored against faults such as opens, shorts, earth's or data transmission failure.
- The system shall have an overall spare capacity for at least 98 cameras but not limited to communication network, terminal strips, UPS backup, etc., reserved for future expansion.
- The firm will have to Supply install Test and commission Earthing system for the whole IP based Camera system .SPP will provide the source to tap the earthing point form where the firm will carry out its sub branch using copper strip of 25x5 mm for the main panel and its accessories.
- The quantity of cable power as well as OFC mentioned in the BOQ is tentative and may have variation of at least +/- 20 % which is based on our estimation and survey hence while billing the same will be measured and billed on actual.
- The Bidder has to provide the services required for completeness and correctness of the system irrespective of whether it is mentioned in the specification or not.
- The firm will have establish the specified interfaces and demonstrate operation.
- The firm will have to do site modification and preparation of "as-built" documentation".
- The firm will have to secure certification from relevant authorities, wherever applicable.
- All the equipment supplied shall be installed and commissioned at site as per the engineering drawings duly approved by SPP.
- Installation shall be in accordance with requirement of SPP's Engineer In Charge, approved drawings and as recommended by the major equipment manufacturer.
- The supplier shall obtain specific clearance in writing wherever a part of the work is subcontracted. However, firm will be fully responsible for the activities carried out by the subcontractor.
- The supplier shall inform day-to-day progress of the work to the Engineer In Charge /authorized representative from SPP.
- The CCTV interfacing cables, data cable patches other than cables mentioned in the BOQ shall be routed through 25 mm surface mounted G.I conduit pipe to avoid damage wherever road crossings are to be made or SPP's site Engineer suggests.
- If spare capacity is available, the firm can use the existing perforated GI cable trays for the installation of cabling works however, where such provision is not available or routing through existing trays is not possible, the firm will have to supply install and lay perforated GI trays of suitable size with 20 % spare capacity for laying additional cables.
- The trays shall be run up to each camera. No hanging or on wall cabling will be allowed. The cost of such trays shall be included in the Bidders quote.
- The mounting fixtures for the cameras shall be so designed that in case SPP intends to shift its orientation.
- All the cabling of new IP based system shall have separate identification markers/cables tags of permanent nature with clear marking for easy identification of the individual camera/zone/cabling.
- Supply and installation of G.I conduits and required bends, clamps, fixtures, hardware accessories are in the scope of supplier.

- All the cabling, conduit and installation shall be laid as per relevant standards or practice in vogue and shall have aesthetic look.
- Upon initial installation, all CCTV Cameras shall have the original plastic dust covers installed. Dust covers shall not be removed until installation is completed and the system is ready for test.
- Each conductor of OFC and Power cables shall be identified as shown on the shop drawings by attaching permanent alphanumeric wire markers within 2 inches of the wire termination at both ends. Marker legends shall be visible. Junction box shall be painted white or have embossed adhesive tape labeling that is minimum 1/4-inch Black letters over a white background with text "IP CCTV", number-code or colour-code conductors number, appropriately and permanently for identification and servicing of system.
- Splices shall only be made on terminal strips. All CCTV Optic Fibre and Power cable wiring shall be installed as per route finalized in drawing. All external wiring shall be color-coded and shall not be installed in the same outlet box, junction box, or conduit with conductors of lighting or power systems.
- Locate and install the CCTV assembly for optimum viewing angle and easy accessibility.
- All Devices shall be labelled with its unique system address. Use permanent, printed label with black font on white background.
- At the end of each loop required terminator is to be provided.
- Firm shall install Turnstile gates with bio-metric, Face-recognition, iris based security system for opening gates with their related accessories and power connection, LAN cabling.
- Firm shall install security bio-metric access on gates/door at three locations.
- Old Analog CCTV recording backup should be maintained in new Storage hardware by vendor.
- Removing exiting old Analog all CCTV camera along with cables & old CCTV control room racks for installation of new IP-based CCTV camera in SPPH premises.

Scope of work for Turnstile:-

The scope of work in this specification includes Design, fabrication, manufacture and assembly, inspection, shop testing at manufactures works, supply, transportation to site, site testing, erection and commissioning software integration, training and performance testing of the complete Full Height turnstile gates SYSTEM ON TURN KEY BASIS.

- Removing existing Turnstile/Tripode gates and installation of new turnstiles tiles gates.
- Laying of power cable & LAN cable.
- Installation & Connection with existing bio-metric machines along AMS network
- Installation of 2 No's EM Lock at doors
- Installation & integration 1 No Drop bolt lock with existing Bio-metric based machines.(Wicket gate near time office)

CIVIL WORKS: The firm will have to perform all necessary civil works including but not limited to:--

- Including excavations of at least 3-5 feet in depth and of required diameter, cement concreting and reinforcing in proper manner for the mounting of poles as required.
- Fabrication and installation of Poles, cable trays and their supports.
- Digging and laying of underground cables at least at 3 meter depth with proper identification markers through GI conduits.
- Making and braking of partition walls wherever necessary for laying of cables or installing racks etc. e. All Civil works like providing supports for camera mounts, grouting, chasing &
- making good the chases making pockets for grouting if necessary, grouting of panels etc. is Included in scope.

- Fabrication and fixing of supports, frames, cable trays etc. are included in the scope.
- Providing marker to OFC and power cables.
- If any damage occurs to the civil structure, false ceiling etc during the execution of work, the firm will have to repair the same at their cost.
- Make to ready base-ground for Turnstile gates

Section VIII: Quality Control Requirements

FAT (FINAL ACCEPTANCE TEST) and FAC (FINAL ACCEPTANCE CERTIFICATE) :

(a)FAT: Upon completion of supply, installation and commissioning at the Purchasers premises, Purchaser will conduct testing as per the rated performance for Final Acceptance Test.

(b) FAC: Upon satisfactory completion of FAT, Purchaser shall issue (Final Acceptance Certificate).

(c) The supplies/materials will be accepted on manufacturers guarantee certificate. If any defects are observed or the supply found unsuitable, then the same will be rejected and the supplier has to replace the same at stores of Security Printing Press, Hyderabad at supplier's risk & cost.

Section IX: Qualification/Eligibility Criteria

1. Experience and Past Performance:

The Bidder firm should have experience in Supply, installation and commissioning IP based CC TV Surveillance system with at least 30 cameras and 01 Turnstile Gate during the last five years.

Documentary proof should be provided for the same until the date of issue of tender.

2. Capability- Equipment & Manufacturing Facilities

The bidder firm must have an annual capacity to Supply, Install and commissioned at least 01 No of IP based CCTV surveillance system and 02 Turnstile Gates.

3. Financial Standing

a. Average Annual turnover of the Bidder firm during last three years i.e. 2015-2016, 2016-2017 and 2017-2018 for the financial year ending 31-03-2018, should be more than INR 74,98,782-00

b. Bidder Firm should not have suffered any financial loss for more than one year during the last three years i.e. 2015-2016, 2016-2017 and 2017-2018 for the financial year ending 31-03-2018.

c. The net worth of the firm should not have eroded by more than 30% in the last three years i.e. 2015-2016, 2016-2017 and 2017-2018 for the financial year ending 31-03-2018.

Note :

a. All experience, past performance and capacity/ capability related/ data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder will be verified from the parties for whom work has been done.

b. All financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA) in India.

c. In support of financial standing, point No. 3 above, the bidder should submit Annual Audited Accounts like Balance Sheet, Profit & Loss Statements and Income Statements, failing which the bidder's offer shall be liable for rejection at Technical Bid Stage itself.



Tender Number:6000012459

Section X: Tender Form

Date:

To,
Security Printing Press, Hyderabad
A Unit of Security Printing & Minting
Corporation of India Limited
(Wholly Owned by Govt. of India)
Hyderabad

Ref: Your Tender document No.6000012459 /SPPH/A-II/E-461/2018 dated 08.03.2019

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No....., dated..... (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver (Description of goods and services) in conformity with your above referred document for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V - 'Special Conditions of Contract', for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to, as required in the GIT clause 19, read with modification, if any in Section-III - 'Special Instructions to Tenderers' or for subsequently extended period, if any, agreed to by us. 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. 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.

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

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign tender for and on behalf of

.....

.....

Section XI: Price Schedule

As per Annexure - II.

SECTION XI: PRICE SCHEDULE

ANNEXURE - II

TENDER NO. 6000012459/SPPH/A-II/E-461/2018/6869, Dated: 08-03-2019

SUMMARY OF PRICE SCHEDULE: PRICE SHOULD BE QUOTED FOR SPP, HYDERABAD.

Sl. No	Item description	UOM (Unit of Measurement)	Basic Price/ unit. (Rs)	Packing and forwarding charges, (Rs), if any.	Freight, Insurance, and other charges, if any, including delivery at works (Rs)	GST % with 8 digit HSN/SAC code	Total FOR cost of SPP per unit	Required Quantity	Total Price for required quantity FOR SPP, Hyderabad (inclusive of all taxes, freight, and Insurance charges)
1	2	3	4	5	6	7	8	9	10
					%	(4+5+6+7)		(8x9)
1	2MP IR Bullet Camera as per Section VII, "Technical Specifications".	Nos						81 Nos	
2	2 MP IR Dome Camera as per Section VII, "Technical Specifications".	Nos						05 No	
3	IR Full HD PTZ 30X cameras as per Section VII, "Technical Specifications".	Nos						11 Nos	
4	Full HD Fish eye camera (360 Degree) as per Section VII, "Technical Specifications".	Nos						01 No	

5	6 Meter Poles as per Section VII, "Technical Specifications".	Nos						06 Nos	
6	3 Mtrs Pole as per Section VII, "Technical Specifications".	Nos						02 Nos	
7	Earthing for Pole as per Section VII, "Technical Specifications".	Nos						06 Nos	
8	24 Port Distribution Switch as per Section VII, "Technical Specifications".	Nos						13 Nos	
9	Layer 3 core switch as per Section VII, "Technical Specifications".	Nos						13 Nos	
10	Commercial Grade Media Converter as per Section VII, "Technical Specifications".	Nos						02 Nos	
11	Wall mount outdoor enclosure as per Section VII, "Technical Specifications".	Nos						10 Nos	
12	12U Rack as per Section VII, "Technical Specifications".	Nos						13 Nos	
13	42U Rack as per Section VII, "Technical Specifications".	Nos						01 No	
14	Fully loaded LIU (24 port) as per Section VII, "Technical	Nos						01 No	

	Specifications".								
15	Fully loaded LIU (12 port) as per Section VII, "Technical Specifications".	Nos						13 Nos	
16	SFP Modules (1G) as per Section VII, "Technical Specifications".	Nos						28 Nos	
17	SFP Modules (10G) as per Section VII, "Technical Specifications".	Nos						02 Nos	
18	OFC Patch cords (SC-LC) as per Section VII, "Technical Specifications".	Nos						50 Nos	
19	Flexible Power Cable (3C*1.5 sq.Mm) as per Section VII, "Technical Specifications".	Mtrs						3000 Mtrs	
20	6 C Single Mode Armoured OFC as per Section VII, "Technical Specifications".	Mtrs						2000 Mtrs	
21	CAT 6 Cable as per Section VII, "Technical Specifications".	Mtrs						6700 Mtrs	
22	PVC Conduit 25 mm/1" as per Section VII, "Technical Specifications".	Mtrs						4100 Mtrs	

23	HDPE Pipe-40mm, 3mm thickness as per Section VII, "Technical Specifications".	Mtrs						300 Mtrs	
24	GI Pipe(2") for road crossing as per Section VII, "Technical Specifications".	Mtrs						100 Mtrs	
25	Management Server as per Section VII, "Technical Specifications".	Nos						01 No	
26	Recording Server as per Section VII, "Technical Specifications".	Nos						02 Nos	
27	Computer Workstation as per Section VII, "Technical Specifications".	Nos						03 Nos	
28	46" Thin Bezel Display as per Section VII, "Technical Specifications".	Nos						03 Nos	
29	21" LED Display as per Section VII, "Technical Specifications".	Nos						01 No	
30	VMS Software with(n) cameras as per Section VII, "Technical Specifications".	Nos						01 No	
31	Camera Channel Licences as per Section VII, "Technical Specifications".	Nos						98 Nos	

32	6 KVA UPS as per Section VII, "Technical Specifications".	Nos						03 Nos	
33	Earthing for UPS as per Section VII, "Technical Specifications".	Nos						03 Nos	
34	Power distribution board at Control room as per Section VII, "Technical Specifications".	Nos						01 No	
35	Control Console at CMS as per Section VII, "Technical Specifications".	Nos						01 No	
36	Dual Lane Full Height Turnstile SS grade as per Section VII, "Technical Specifications".	Nos						01 No	
37	Single Lane Full height Turnstile SS as per Section VII, "Technical Specifications".	Nos						01 No	
38	Single leaf EM Lock with feedback Sensor as per Section VII, "Technical Specifications".	Nos						01 No	
39	Double leaf EM lock with feedback Sensor as per Section VII, "Technical Specifications".	Nos						01 No	
40	Drop bolt lock with fabrication as per Section VII, "Technical Specifications".	Nos						01 No	

41	4 Core X1Sqmm Cable as per Section VII, "Technical Specifications".	Mtrs						100 Mtrs	
42	Installation of CCTV and Turnstiles system as per Section VII, "Technical Specifications".	Job						01 Job	
	Total								

FOR SPP, Hyderabad price in words

1. We confirm that there would not be any price escalation during the supply period.
2. We confirm that we will abide by all the tender terms and conditions and we do not have any counter conditions.

Note :

1. Price bids with conditions/ counter conditions are liable to be rejected.
2. All prices should be upto **two decimal** only. Quotation with price quote beyond 2 decimal place shall be **ignored**.

Office Seal/Stamp
(Name and Signature with date)

Section XII: Questionnaire

The tenderer should furnish specific answers to all the questions / issues mentioned below. In case a question / issue does not apply to a tenderer, the same should be answered with the remark "not applicable".

Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof / evidence to substantiate the corresponding statement.

In case a tenderer furnishes a wrong or evasive answer against any of the under mentioned question/ issues, its tender will be liable to be ignored.

1. Brief description and of goods and services offered:
2. Offer is valid for acceptance up to
3. Your permanent Income Tax A/ C No. as allotted by the Income Tax Authority of Government of India:
Please attach certified copy of your latest/ current Income Tax clearance certificate issued by the above authority.
4. Status :
 - a) Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D), New Delhi, and / or the National Small Industries Corporation (NSIC), New Delhi, and / or the present SPMCIL and / or the Directorate of Industries of the concerned State Government for the goods quoted ? If so, indicate the date up to which you are registered and whether there is any monetary limit imposed on your registration.
 - b) Are you currently registered under the Indian Companies Act, 1956 or any other similar Act?
Please attach certified copy(s) of your registration status etc. in case your answer(s) to above queries is in affirmative.
5. Please indicate name & full address of your Banker(s) :
6. Please state whether business dealings with you currently stand suspended/ banned by any Ministry/ Deptt. of Government of India or by any State Govt.

.....
(Signature with date)

.....

.....
(Full name, designation & address of the
Person duly authorized sign on behalf of the tenderer)
For and on behalf of

.....

.....
(Name, address and stamp of the tendering firm)

Section XIV: Manufacturer's Authorization FORM

To,
Security Printing Press, Hyderabad
A Unit of Security Printing & Minting
Corporation of India Limited
(Wholly Owned by Govt. of India)
Hyderabad

Dear Sirs,

Ref.: Your Tender document No..... dated.....

We..... who are proven and reputable manufacturers of
..... (name and description of the goods offered in the tender) having factories at
..... here by authorize Messrs..... (name and address of the agent) to
submit a

tender, process the same further and enter into a contract with you against your requirement as contained in the
above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs..... (name and address
of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you
against your requirement as contained in the above referred tender enquiry documents for the above goods
manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of Contract read
with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the
above firm against this tender document.

Yours faithfully,

.....

.....

[Signature with date, name and designation]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a
person competent and having the power of attorney to legally bind the manufacturer.

Section XV: Bank Guarantee Form for Performance Security

.....[insert: Bank's Name, and Address of issuing Branch or Office]

Beneficiary: [insert: Name and Address of SPMCIL]

Date:.....

PERFORMANCE GUARANTEE No.:

WHEREAS..... (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no..... datedto supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

We undertake to pay SPMCIL up to the above amount upon receipt of its first written demand, without SPMCIL having to substantiate its demand.

This guarantee will remain in force for a period of forty five days after the currency of this contract and any demand in respect thereof should reach the bank not later than the above date.

.....
(Signature with date of the authorized officer of the Bank)

.....

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

.....
Name and designation of the officer

.....

.....
Seal name& address of the Bank and address of the Branch

Section XVI: Contract Form

Contract No.....dated.....

This is in continuation to this office' Notification of Award No..... dated

1. Name & address of the Supplier:

2. SPMCIL's Tender document No..... dated.....and subsequent Amendment No..... dated..... (If any), issued by SPMCIL

3. Supplier's Tender No..... dated.....and subsequent communication(s) No..... dated..... (If any), exchanged between the supplier and SPMCIL in connection with this tender.

4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as part of this contract:

(i) General Conditions of Contract;

(ii) Special Conditions of Contract;

(iii) List of Requirements;

(iv) Technical Specifications;

(v) Quality Control Requirements;

(vi) Tender Form furnished by the supplier;

(vii) Price Schedule(s) furnished by the supplier in its tender;

(viii) Manufacturers' Authorization Form (if applicable for this tender);

(ix) SPMCIL's Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 0 of Section - V - 'General Conditions of Contract' of SPMCIL's Tender document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

(i) Brief particulars of the goods and services which shall be supplied/provided by the supplier are as under:

(ii) Delivery schedule

(iii) Details of Performance Security

(iv) Quality Control

(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.

(b) Designation and address of SPMCIL's inspecting officer

(v) Destination and dispatch instructions

(vi) Consignee, including port consignee, if any

(vii) Warranty clause

(viii) Payment terms

(ix) Paying authority

.....
(Signature, name and address of SPMCIL's authorized official)

For and on behalf of.....

Received and accepted this contract.....

(Signature, name and address of the supplier's executive duly authorized to sign on behalf of the supplier)

For and on behalf of

.....
(Name and address of the supplier)

.....
(Seal of the supplier)

Date:

Place:

Section XVII: Letter of authority for attending a Bid opening

The General Manger,
Security Printing Press, Hyderabad.

Subject: Authorization for attending bid opening on 09.04.2019 in the Tender of PROCUREMENT OF NEW IP BASED CCTV CAMERAS ALONG WITH TRUNSTILE GATES.

Following persons are hereby authorized to attend the bid opening for the tender mentioned above on behalf of _____ (Bidder) in order of preference given below.

Order of Preference	Name	Specimen Signatures
1.		
1.		
Alternate representative		
Signatures of bidder or Officer authorized to sign the bid Documents on behalf of the bidder.		

Note:

- Maximum of two representatives will be permitted to attend bid opening. In cases where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representatives are not able to attend.
- Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not recovered.



(Refer to Clause 22.6 of GCC)

Name and address of the consignee.....

1. C.S.T./Sales Tax Amount
2. Freight (if applicable)
3. Excise Duty (if applicable)
4. Packing and Forwarding charges (if applicable)
5. Others (Please specify)
6. PVC Amount (with calculation sheet enclosed)
7. (-) deduction/Discount
8. Net amount payable (in words Rs.)

Excise Duty Gate pass.....(enclosed)



Tender Number:6000012459

Place and Date

Received Rs.....(Rupees).....

I hereby certify that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

Revenue stamp

Signature and of Stamp Supplier

CHECK LIST

Documents to be submitted along with 3 stages (i.e. Pre-Qualification Bid, Technical Bid and Price Bid).

I. Pre-Qualification Bid.

Sl. No.	Description	Y/N
1.	Has the bidder attached documentary evidence in support of its Experience and Past Performance criteria as asked in the tender (principal manufacture in case the participating firm is an Agent).	
2.	Has the bidder attached documentary evidence in support of its Capability - i.e. Equipment & Manufacturing Facilities (principal manufacture in case the participating firm is an Agent).	
3.	Earnest Money Deposit.	
4.	Tender document fee.	
5.	Non-Blacklist Declaration by the bidding firm.	
6.	Manufacturer's authorization letter, if the bidder is not the manufacturer.	
7.	Complete postal address with contact numbers and name of the authorized contact person of the bidder and manufacturer if the bidder firm is not the manufacturer.	
8.	List of customers to whom this material is supplied in last 5 years, ending 31 st March' 2018, with relevant P.O. copies invoices, delivery challans etc.	
9.	<u>Financial Standing:-</u> Has the bidder (principal manufacture in case the participating firm is an Agent) attached supporting documents regarding Financial standing like – Balance Sheets, Profit & Loss Statements, Income Statement etc. for the required financial years as asked in the Tender.	
	d) All experience, past performance and capacity/ capability related/ data should be certified by the authorized signatory of the bidder firm.	
	e) All financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA).	

II. Technical Bid.

Sl. No.	Description	Y/N
1.	List of requirement – VI	
2.	Technical Specifications – VII	
3.	The tenderer has to fill up and submit acceptance of all sections of this tender document.	
	i) GIT	
	ii) SIT	
	iii) SCC	
	iv) GCC	
4.	Tender form	
5.	Questionnaire.	
6.	Companies official stamp and signing at each page of the tender document.	
7.	The price is not to be filled in the Tender Form.	
8.	The bidder firm shall submit the Price Bid mentioning HSN code and GST percentage as applicable, but EXCLUDING THE ACTUAL PRICE. Mentioning the Price anywhere in the Technical Bid will lead to disqualification of the firm from the tender evaluation process.	

III. Price Bid.

Sl. No.	Description	Y/N
1.	The tenderers shall quote the prices strictly as per the proforma given in Section-XI of the tender document.	

Note:- 1. All the documents should be signed and stamped.

2. The Check list is for guidelines only. Bidders are required to follow the Terms & Conditions given in the Tender document, GIT,GCC,SIT,SCC,etc.