



**SECURITY PAPER MILL,
HOSHANGABAD - 461005 (M.P), INDIA**

(A Unit of Security Printing and Minting Corporation of India Limited)

(Wholly owned by Government of India)

(Miniratna Category-I CPSE & ISO 9001:2015 & ISO 14001:2015 CERTIFIED)

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PR Number	PR Date	Indenter	Department
12004021	20.10.2021	BOILER	BOILER

Not Transferable

Security Classification: NON-SECURITY

TENDER DOCUMENT FOR UPGRADATION AND AUTOMATION OF OLD BOILER NO. 2 & 3

Tender Number: 6000016934/BOILER/21-22/1343 Dt. 03.12.2021

This Tender Document Contains 44 Pages.

Tender Documents is issued to:

M/s.....

Details of Contact person in SPMCIL regarding this tender:

Name, Designation : Vikas Kumar, Dy. Manager (Material)

Address: SPMH (Security Paper Mill, Hoshangabad)

Phone, Fax, email: 07574-286842

Email: kumar.vikas@spmCIL.com

Section1: Notice Inviting Tender (NIT)

6000016934 /BOILER/21-22/1343

03.12.2021

(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	Upgradation of Boiler No 2	1.000 EA	0.00INR	SPM HOSHANGABAD
2	Upgradation of Boiler No 3	1.000 EA		SPM HOSHANGABAD
3	Erection and commsoing charges	1.000 AU		SPM HOSHANGABAD

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 03.12.2021 to 06.01.2022 during office hours.
Place of sale of tender documents	SPM HOSHANGABAD
Closing date and time for receipt of tenders	07.01.2022 11:00:00
Place of receipt of tenders	SPM HOSHANGABAD
Time and date of opening of tenders	07.01.2022 15:00:00
Place of opening of tenders	SPM HOSHANGABAD
Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)	VIKAS KUMAR Dy.Manager (MM)

2. Eligibility to participate as per Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Ministry of Finance, Department of Expenditure, Public Procurement Division's Orders (Public Procurement 1, 2 and 3) F.No.6/18/2019-PPD dated 23rd/ 24th July 2020 (or any further amendments thereof) regarding eligibility of bidders from neighboring countries shall apply to this tender.

3. Please note that SPMCIL reserves its right to grant Purchase preferences in accordance with Government of India's Public Procurement (Preference to Make in India) Order 2017 (as amended/ revised) and Public Procurement Policy for Micro and Small Enterprises (MSEs) Amendment Order, 2018 (as amended/ revised).

4. Interested tenderers may obtain further information about this requirement from the above office selling the documents. They may also visit our website mentioned above for further details.

5. Tenderer may also download the tender documents from the web site mentioned above and submit its tender by utilizing the downloaded document; the bidder must not make any changes to the contents of the documents, except for filling the required information. A certificate to this effect must be submitted by the bidder in the Tender Form (Section X).

6. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped on or before the closing date and time indicated in the Para 1 above in the tender box located at the address given below , failing which the tenders will be treated as late and rejected. Tenders may also be sent through post at the address as above. However, Purchaser will not be

responsible for any postal lapses or delays in receipt of the documents. In case NIT/ SIT provide for uploading of bids to nominated e-Procurement portal, bidders must upload their bids along with scanned copies as required enclosures (including proofs of cost of Tender Documents and EMD as applicable - unless an online payment gateway is provided in the instruction) as per instructions given in this regard. Original copies of such scanned uploaded required enclosures must reach in physical form within the date and place as provided in such instructions, otherwise their uploaded bid, would be declared as unresponsive.

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

8. The tender documents are not transferable.

9. The bidder, their affiliates, or subsidiaries # including subcontractors or suppliers for any part of the contract # should not stand declared ineligible/ blacklisted/ banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country#s laws or official regulations. A declaration to this effect shall be submitted by the bidder in the Tender Form (Section X).

10. Undersigned confirms that the required goods mentioned above are not available on GeM as per #GeM - Availability Report and Past Transaction Summary# (GeM - AR&PTS). This unique ID is GEM/GARPTS/24072021/P3FTJO5D58YZ.

11. In case of order material in your favour for Rs. 2,50,000/- or above, the supplier shall furnish the performance security amount/ Security Deposit(S.D) (3% of the ordered value) before supply of material after issue of Purchase order by SPM, Hoshangabad in favour of The Security Paper Mill payable at Hoshangabad. The performance security will be return back without any interest to successful tenderer after the completion of all contractual obligations.

12. Procurement Preference for MSE

(i) From time to time, the Government of India (Gol) lays down procurement policies to help inclusive national economic growth by providing long-term support to small and medium enterprises and disadvantaged sections of society and to address environmental concerns. The Procurement Preference Policy for Micro and Small Enterprises has been notified by Gol in exercise of the powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act, 2006.

(ii) Micro and Small Enterprises (MSE) must, along with their offer, provide proof of their being registered as MSE indicating the terminal validity date of their registration)for the item tendered, with any agency mentioned in the notification of the Ministry of Micro, Small and Medium Enterprises (MSME),indicated below:

- (a) District Industries Centres.
- (d) Khadi and Village Industries Commission.
- (e) Khadi and Village Industries Board.
- (f) Coir Board.
- (g) National Small Industries Corporation.
- (h) Directorate of Handicraft and Handloom; and
- (i) Any other body specified by the Ministry of MSME.

(iii) For ease of registration of Micro and Small Enterprises (MSEs), Ministry of MSME has started Udyog Aadhar Memorandum which is an online registration system (free of cost) w.e.f. 18th September 2015 and all Micro & Small Enterprises (MSEs) who are having Udyog Aadhar Memorandum should also be provided all the benefits available for MSEs under the Public Procurement Policy for Micro and Small Enterprises (MSEs), Order 2012.

(iv) The MSEs are provided tender documents free of cost and are exempted from payment of earnest money, Subject to furnishing of relevant valid certificate for claiming exemption.



(v) As per MSME Act, 2006 and Government of India's stimulus package announced on 13/02/2020 MSME payments have to be released within 45 days by Government and PSUs. As per the MSME Act, delays may attract punitive interest. Under Public Procurement Policy for MSEs, a minimum 25 per cent share out of the total procurement by Central Government Ministries/ Departments/ Public Sector Undertakings are to be made from MSEs. To meet this target, PSUs are required to conduct special Vendor Development Programmes/ Buyer-Seller Meets for SCs/ STs entrepreneurs.

(vi) If a MSE bidder quotes a price within the band of the lowest (L1) +15 per cent in a situation where the L1 price is quoted by someone other than an MSE, the MSE bidders are eligible for being awarded 25 per cent of the total tendered value if they agree to match the L1 price. In case of more than one such eligible MSE, the 25 per cent quantity is to be distributed proportionately among these bidders. Within this, a purchase preference of 4 per cent is reserved for MSEs owned by Scheduled Caste (SC)/ Scheduled Tribe (ST) entrepreneurs and 3 per cent is reserved for procurement from MSEs owned by women (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ ST or Women MSE to participate in tender process or meet tender requirements and L1 price, 4 per cent sub-target shall be met from other MSE. MSEs would be treated as owned by SC/ ST or women entrepreneurs:

(a) In case of proprietary MSE, proprietor(s) shall be SC /ST or women.

(b) In case of partnership MSE, the SC/ ST or women partners shall be holding at least 51% shares in the unit (c) In case of Private Limited Companies, at least 51% share shall be held by SC/ ST or women promoters.

In the opinion of Ministry of MSME, in case of tender item is non-split-able or non-dividable, etc. MSE quoting price within price band L1+15% may be awarded for full/ complete supply of total tendered value to MSE, considering spirit of policy for enhancing the Govt. procurement from MSE. This Policy is meant for procurement of only goods produced and services rendered by MSEs and not for any trading activities by them. An MSE Unit will not get any purchase preference over another MSE Unit.

Encl:

1. Check list (Annexure-I)
2. Declaration (Annexure-II)
3. Declaration (Annexure-III)
4. Declaration (Annexure-IV)

Yours faithfully,

(Vikas Kumar)
Dy. Manager (Material)
For Chief General Manager
E-mail: kumar.vikas@spmcil.com
PHONE :- (07574) 286842 & 286587

CORRESPONDING ADDRESS

THE CHIEF GENERAL MANAGER
SECURITY PAPER MILL



Tender Number:6000016934

HOSHANGABAD-461 005 (M.P.)
Website: <http://spmhoshangabad.spmcil.com>
FAX :- (07574)-255170

SIGNATURE OF BIDDER WITH NAME,
DESIGNATION & SEAL

.....

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

For and on behalf of
.....



Tender Number:6000016934

Section II: General Instructions to Tenderers (GIT)

Part 1: General Instructions Applicable to all type of Tenderers

Part I: General Instructions Applicable to all Types of Tenders

Kindly refer <https://spmciil.com/uploaddocument/GIT/new.pdf> for further details (GIT contains 61 pages)

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Tender Number:6000016934

Section II: General Instructions to Tenderers (GIT)

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

Kindly refer <https://spmciil.com/uploaddocument/GIT/new.pdf> for further details (GIT contains 61 pages)

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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	3	Eligible Tenderers	Applicable
02	3.4	Eligible Goods and Services (Origin of Goods)	Applicable
03	6.1	The tender documents includes:	Applicable
04	8	Pre-bid Conference	Not Applicable
05	9	Time Limit for receiving request for clarification of Tender Documents	A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMH in writing or by fax/e-mail/telex. SPMH will respond in writing to such request provided the same is received than fourteen 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 document.
06	10.1	The Technical bid to be submitted by Tenderer shall contain the	following documents, duly filled in, as required: Applicable
07	11.2	Tender Currency	Supplier is requested to quote price within 2 Decimal place. Quotation with price quote beyond 2 decimal place is ignored.
08	12.1	Tender Prices	Applicable
09	12.2,33,36.1	Schedule wise evaluation	Not Applicable
10	12.6	GST details	Applicable
11	14	PVC Clause & Formula	Not Applicable
12	14.4 to 14.7	Exchange Rate Variation (ERV)	Not applicable
13	16.2 a) to c)	Documents Establishing Tenderer#s Eligibility and Qualifications	Not applicable
14	18.4, 18.5	Earnest Money Deposit (EMD)	Nil and firm shall submit following undertaking on letter Head duly seal & Signed: #If we withdraw or modify our bids during period of validityof tender etc. than we will be suspended for the period of 03 years from the date of opening of tender.#
15	19	Tender Validity	180 days from opening date of quotation.
16	20.4	Number of Copies of Tenders to be submitted	One copy in original
17	20.8	Three Bid System	Applicable

Sr No	GIT Clause No.	Topic	SIT Provision
18	20.9	E-Procurement	Not applicable
19	34. and 35.1	Comparison on CIF Destination Basis	Not applicable
20	35.2 to 35.6	Additional Factors for Evaluation of Offers and Preferential schemes	Not applicable
21	43	Parallel Contracts	Not applicable
22	44.1	Serious Misdemeanors	Applicable
23	44.3	Integrity Pact	Not applicable
24	45.1	Notification of Award	Applicable
25	50	Applicability of additional GIT for rate Contracts	Not applicable
26	51	Applicability of additional GIT for PQB Tenders	Not applicable
27	52	Applicability of additional GIT for Tenders involving Samples	Not applicable
28	53	Applicability of additional GIT for EOI Tenders	Not applicable
29	54	Applicability of additional GIT for Tenders for Disposal of Scrap	Not applicable
30	55	Applicability of additional GIT for Development/Indigenization Tenders	Not applicable
31	28.1,28.2,28.3	Discrepancy in Prices	Applicable
32	Special Condition	GST Returns	Supplier Should file the GST returns for outward supplies in time. In case of any Input Credit Loss to SPM by way of their failure to files GST Returns in time, SPM reserves the right to withhold the payment of further supplies till production of evidence of filling of Returns.
33	Special Condition	TCS u/s 206C (1H) read with TDS u/s 194Q	SPM (as Buyer) is liable to deduct TDS u/s 194Q @ applicable rate on goods purchases (if applicable). In case of deduction of TDS under section 194Q; the supplier (Vendor) need not to charge TCS u/s 206C (1H) on invoicing on or after 01.07.2021
34	Special Condition	Sec. 206AB of IT Act	Vendor has to submit declaration in specified format for the compliance of section 206AB of Income tax Act, 1961. In case of non-submission of declaration; TDS will be deducted at higher rates (as applicable) as per section 206AB.



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Section IV: General Conditions of Contract (GCC)

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

Kindly refer <https://spmciil.com/uploaddocument/GCC/new.pdf> for further details (GIT contains 36 pages).

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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)

SI.No	GCC Clause No.	Topic	SCC Provision
01	1.2	Abbreviations:	Applicable
02	6.1, 6.3 & 6.5	Performance Bond/ Security	Applicable
03	8.2	Packing and Marking	Applicable
04	9	Inspection and Quality Control	Not applicable
05	11.2	Transportation of Domestic Goods	applicable
06	12.	Insurance	Applicable
07	14.1	Incidental Services	Applicable
08	15	Distribution of Dispatch Documents for clearance/ Receipt of Goods	Not applicable
09	16.1	Warrantee Clause	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 SPM in the contract. The supplier further warrants that the goods supplied undercontract shall have no defect arising from design, material or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods.
10	16.2	Warrantee Clause	Warrantee shall remain valid for 01(One) Year after the goods have been delivered to the final destination and accepted by SPM in terms of the contract or for fifteen months from the date of despatch from the supplier's premises for domestic goods 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.
11	16.4	Warrantee Clause	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 thereplaced parts/ goods after providing their replacements and no claim, whatsoever shall lie on SPMCIL for such replaced parts/ goods thereafter.
12	16.6	Warrantee Clause	If the supplier, having been notified, fails to

Sl.No	GCC Clause No.	Topic	SCC Provision
			rectify/replace the defects within a reasonable period, SPM may proceed to take such remedial action as deemed fit by SPM, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which SPM may have against the supplier.
13	19.3	Option Clause	The Chief General Manager Security Paper Mill Hoshangabad 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.
14	20.1	Price Adjustment Clause	Not Applicable
15	21.	Taxes and Duties	Applicable
16	22.	Terms and Mode of payments	80% payment of the cost of goods shall be made after receipt and acceptance of goods by SPM and balance 20% payment of the cost of goods after successful erection and installation and acceptance by SPM. 100% payment of cost of erection, installation and commissioning shall be made after successful installation, commissioning and acceptance by SPM, Hoshangabad
17	24.1	Quantum of LD	If the contractor fails to deliver the goods and/or services or any installment thereof within the Delivery Period, SPM Hoshangabad shall, without prejudice to other rights and remedies available to SPM, Hoshangabad under the contract, deduct from the contractor price, as Liquidated damages, a sum equivalent to the rate of 0.5 % of the delivered price of the delayed goods and/or services along with applicable GST of 18% on the LD amount, for each week of delay or part thereof until actual delivery or....
18	24.1	Quantum of LD performance, subject to a maximum deduction of the 10% (plus GST on the LD amount) of the delayed goods or services#
19	25.1	Bank Guarantee and Insurance for Material Loaned to Contractor	Not applicable
20	33.1	Resolution of Disputes	If dispute or difference of any kind shall arise between SPMH and the supplier in connection with or relating 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 21 days of its occurrence, then, unless otherwise provided in the SCC, either



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Sl.No	GCC Clause No.	Topic	SCC Provision
.			SPMH or the supplier may seek recourse to settlement of disputes through arbitration act 33.2.

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	Remark
1	Upgradation of Boiler No 2	EA	1.000	0.00INR	SPM HOSHANGABAD
2	Upgradation of Boiler No 3	EA	1.000		SPM HOSHANGABAD
3	Erection and commsoing charges	AU	1.000		SPM HOSHANGABAD

Tenders shall be submitted in three parts as below: -

PART I # PRE-QUALIFICATION BID:

(A) For MSME Firms:

Point NO. (1) Earnest Money Deposit: Nil and firm shall submit following undertaking on letter Head duly seal & Signed:

#If we withdraw or modify our bids during period of validity of tender etc. than we will be suspended for the period of 03 years for the date of opening of tender.#

i. Firm shall submit the valid MSME certificate and the tendered item/service must be listed in the MSME certificate store list. Non-submission of valid MSME certificate and non-availability of the tendered item /service in the store list of this certificate shall lead to rejection of the offer.

ii. One original Tender Document shall be submitted. It should not have any price aspect.

iii. Power of Attorney/Authorization with the seal of the company of person signing the tender documents.

iv. Dully filled tender form as per Section-X is to be submitted. No price details are to be given in this bid. In case if any price detail is given, then the bids are liable to be rejected.

v. Firm shall accept and submit the documents as per qualification criteria of section-IX for MSME firm.

vi. If required SPM may visit the factory during PQB stage, to ascertain the bidder manufacturing capability & quality control methodology.

vii. Firm should submit the following information regarding the capacity and performance verification :-

- Name of the machine utilized to supply the quoted product.
- The number of machines being utilized for the production and the capacity of each machine.
- Total Annual Capacity of the manufacturer.
- Supply orders in hand and proportionate capacity to supply quoted amount.

viii. Firm shall submit the declaration on letter head duly seal & signed by competent authority as per attached Annexure II, III and IV.

ix. Firm should be manufacturer of boiler and having IBR license and same will be submitted along with bid.

(B) For Non MSME Firms:

- i. One original Tender document shall be submitted. It should not have any price aspects.
- ii. Tender document - Nil
- iii. Earnest Money Deposit: Nil and firm shall submit following undertaking on letter Head duly seal & Signed:

#If we withdraw or modify our bids during period of validity of tender etc. than we will be suspended for the period of 03 years for the date of opening of tender.#

- iv. Power of Attorney/Authorization with the seal of the company of person signing the tender documents.
- v. Manufacturing/Authorization Certificate:

(a) If the bidder firm is manufacturer then firm has to submit the valid registration certificate.

(b) If the bidder firm is not the manufacturer then firm has to submit the valid manufacturers authorization certificate of the item supplied as per the standard form duly filled by OEM as per annexure XIV of this tender document.

Note :-MAF 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.

vi. Financial Standing of last 3 years i.e 2018-19, 2019-20 & 2020-21 in case the financial year is maintained calendar year wise or 2018-19, 2019-2020 & 2020-21 in case the financial year is maintained ending 31st March of a year should be certified by accountant's e.g. Chartered Accountants (CA) in India.

vii. Containing unpriced tender consisting commercial package including all terms and conditions. No price details to be given in this tender (as per Section-X).

viii. Firm shall submit the experience and past performance documents as per mentioned in Section IX.

ix. Firm should submit the following information regarding the capacity and performance verification :-

- a) Name of the machine utilized to supply the quoted product.
- b) The number of machines being utilized for the production and the capacity of each machine.
- c) Total Annual Capacity of the manufacturer.
- d) Supply orders in hand and proportionate capacity to supply quoted amount.

x. Firm shall submit the declaration on letter head duly seal & signed by competent authority as per attached Annexure II, III and IV.

xi. Firm should be manufacturer of boiler and having IBR license and same will be submitted along with bid.

PART- II: TECHNO-COMMERCIAL BID:

i) Consisting of all technical specification as per section VII of this Tender document & commercial conditions. It should not have any price /price elements of the item being offered.

ii) One format of blank Price bid to be furnished without price/ price elements to know whether the firm furnished



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clearly all charges as required in our Price Schedule shown at Section : XI of this document.

iii) Validity: 180 days from the date of opening of tender, offer valid for a shorter period shall be treated as unresponsive & rejected.

iv) F.O.R. and Place of Service : SPM, Hoshangabad, door delivery duly unloading.

v) Required Delivery Schedule : Within 01 year from the date of issue of NAC/ Purchase Order whichever is earlier.

vi) Payment term:

a) For Material - 80% payment of the cost of goods shall be made on receipt and acceptance of goods by the consignee at destination and 20% payment of cost of goods shall be made on successful installation, commissioning and acceptance by the SPM.

b) For erection and commission - 100% payment of the cost of installation and commissioning shall be made on successful installation, commissioning and acceptance by the SPM, Hoshangabad. Payments to supplier are made through RTGS/NEFT.

vii) Warranty: As per Section - V.

PART # III: PRICE BID:

The bidders shall quote the price and other elements of price as per the format given as Section # XI of this tender documents. Insertion, post script, addition and alteration shall not be made, if any, will not be considered for calculating the price.

Note :- All Section & pages of the tender documents strictly should be signed, name and sealed by bidder firm.

NOTE : #BIDDER TO FURNISH STIPULATED DOCUMENTS ALONG WITH TENDER IN SUPPORT OF FULFILLMENT OF TENDER CRITERIA. FURTHER CORRESPONDENCE IN THIS REGARD WILL NOT BE ENTERTAINED FOR ANY REASON. NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS MAY LEAD TO REJECTION OF OFFER.#

SIGNATURE OF BIDDER WITH NAME,
DESIGNATION & SEAL

Section VII: Technical Specifications

Upgradation of Boiler No. 2

This proposal deals with detailed study and techniques used for boiler automation which includes the monitoring of various real time operation parameters like: temperature, pressure and water level (using different sensors), fire position, air flow, steam flow, fuel consumption(gas Flow meter), start-up process sequence, level controller etc. or in case of any emergency different automated system check and execute safety cut-off for the concerned process and generate notification through alarms.

In view of above, SPM Hoshangabad intends to upgrade Boiler no 2 with latest technique and advanced automation system through which overall efficiency of system will be increased.

OBJECTIVE AND DESIGN BASIS FOR EXISTING SYSTEM:

At present operation of boilers is controlled through manual intervention. The technology of this boiler is old and manual operation has low efficiency as compared to Boiler no 5 which is having latest automation. It is pertinent to improve the efficiency of existing system to reduce energy cost by upgradation to latest systems.

A detailed study of various stages for boiler no 2.upgradation by providing latest automation and features to improve functioning of

Feed water system of boiler no 2.

Blowdown of boiler no 2.

Manual Operation of Boiler no 2.

VFD drive installation

Installation of ID fan and economizer, as LPG is used as a fuel, hencealong with APH , economizer need to be installed with bypass facility along with ID fan (in case pressure drop LPG/FO if required)

Sequence for start-up and shut down

Accounting of data for steam generation, fuel consumption, Energy consumption, equipment running hours, graphical representation of various flows of steam, water, and fuel etc.

Monitoring of efficiency of complete boiler system during operation.

By using SCADA control Boiler operation parameter.

De-aerator temperature and level control by auto mode.

And also for required civil construction and other utilities, ensure safety of men and materials by providing latest safety features and safety cutout, etc. has been considered.

The above automation in existing system will be considered for fulfilling the current and future requirement of boiler S No Description Existing system

Upgradation/

Automation proposed Benefits of proposed automation:

1 Zirconia oxygen analyzer There is no analyzer in boiler no.2 The vendor will install the oxygen analyzer in boiler no.2 and then transmit the value of both boiler no. 2 to SCADA panel for close loop control- To minimize the excess air in flue gases to save heat losses.

2. Controlling of FD fan: At present there is no close loop control for FD fan it is simply operated through star/ delta configuration. The vendor will install VFD on boiler no2.and transmit the same to SCADA to have a close loop control. The drive will control the FD fan as per requirement resulting in saving of electrical energy.

3. Installation of ID fan and economizer: In existing system only FD fan installed with APH for using of furnace oil as fuel. But At present LPG is used as a fuel hence along with APH , economizer need to be installed with bypass facility along with ID fan (if required) to achieved Maximum heat recovery from flue gases and increased overall efficiency because there is no Sulphur in flue gases as LPG is a fuel.

4. Three element control: Presently, there is manual control system for controlling the flow of water and steam through the boilers(mobary). The vendor shall install a three element control system to control the water intake and steam outflow This system ensures balance between steam generation, drum level control and water intake and

steam and direct connect to PLC to control all control valves.

5. De-aerator Level Control

Right now it is done manually. The supply shall consist of

- De aerator tank Level Transmitter
- Level Indicating control - Control Valve
- I/P converter for control valve

Modulate in auto mode

Ensure constant level and temperature by mixing of steam and water in efficient manner.

6. De-aerator Pressure Control

There is no pressure control system in the present case. The supply shall consist of

- De aerator tank Pressure Transmitter - Pressure Indicating control - Control Valve - I/P converter for control valve
- Ensure constant pressure and temperature by mixing of steam and water in efficient manner or used heated water from economizer to enhance efficiency.

7. Re-circulation system: There is no recirculation control mechanism in present case. The vendor shall install the valve in recirculation line in interlock with the tank level. It will increase pump life and save the electrical energy.

8. Safety instrumentation for boiler: At present instrumentation present in modern day boilers. This shall consist of , water level controls, override control, steam pressure gauge with cocks, water level gauge assembly, temperature transmitters, pressure transmitters, level transmitters, feeder pumps, motors, safety valves, drives, switch gears, relays , connectors, audio visual alarms etc. Prevent boiler from any abnormality in operation and provide safeguard for man and material.

9. Efficiency Monitoring System: At Present both Boiler doesn't have this efficiency monitoring system. This system will collect data from PLC in parallel without affecting any of the boiler operation and gives real time data of steam production against fuel consumption, burning efficiency etc. It will calculate the efficiency and thereby help in increasing in efficiency.

10. PLC based control panel with scada: This shall consist of

-Free standing type, conforming to IP 65 degree of protection. The panel shall be made from 14/16 SWG CRCA sheets.

-Control section consisting of:-

1. Microprocessor of S7 / Equivalent series of Siemens/ Allen Bradley make in hardware redundant configuration
2. Digital & Analogue Input / Output cards with 10% spares;
3. 32" commercial grade PC for SCADA

This system ensures the safe operation sequence and remove the error of manual operation result in increase in efficiency.

4. Compartmentalized power panel The present panel is old rusted and of outdated standards Free standing type, conforming to IP 65 degree of protection. The panel shall be made from 14/16 SWG CRCA sheets. Each feeder shall be placed in different compartment with lockable door. Power section consisting of:-

- Incomer
- Feeders for Fan, Pump, fuel feeders
- Feeders for FHP & AHP
- On/Off Indication Lamps for the Drives; - On/Off switches for the drives / feeders To ensure ease of maintenance and provide latest circuit and system

1. SCOPE OF WORK:-

A. General

The Scope covers Design, Manufacturing, Inspection, Assembly, Testing, Supply, Installation, start up, Commissioning and Supervision during erection, commissioning and providing Performance Guarantee tests of PLC/SCADA control and power panels, and all the field instrumentation.

The Boiler shall become Complete with Pressure Part, Technological Structures, associated Auxiliaries, Electricals,

and Instrumentation & Controls as Specified post up gradation

All items of Equipment shall be complete in all respects and any Equipment not covered in this specification but essential for proper Installation, Operation and maintenance shall be included in the offer and the reasons for such inclusion shall be clearly stated.

Instrumentation/installation shall be strictly in accordance with IBR Standard Latest Edition for all pressure Parts Design.

The specification shall be studied thoroughly regarding the workability of the plant and equipment. The Bidder shall take full responsibility for the Guaranteed Operation of the Steam Boiler and Associated Auxiliaries Equipment as Regards to Output, Performance, Reliable and safe working of facilities indicated in the Specification.

It is not the intent of this specification to completely specify all the details of design and construction. Nevertheless, the equipment to be supplied by the Bidder shall conform to the high standards of Engineering, design, and workmanship in all respect.

Proposed Automation system for Boiler No 2:

- a. LP Dosing system.
- b. Auto Boiler Feed water system and auto recirculation in deaerator tank.
- c. Replacement of Boiler Feed water pipeline.
- d. Auto control of De-aerator tank with steam or Economizer.
- e. Auto Boiler Blowdown system and online TDS controller.
- f. Stack monitoring system compatibility.
- g. Oxygen analyzer Installation.
- h. PLC and SCADA operation.
- i. PLC redundancy.
- j. Burner Management compatibility with PLC(auto flame).
- k. Installation of Blowdown tank for Boiler no 2.
- l. Installation of Economizer with by-pass arrangement and ID Fan (if ID required).
- m. Construction of Common PLC & SCADA AC Panel room with required air condition system.
- n. Installation of common New De-aerator tank for boiler No 2.

2. DRAWINGS AND DOCUMENTATION:-

- a. The successful Bidder shall submit minimum 3sets of drawings/documents during execution of the contract for each plant:
- b. Preparation and submission of all drawings and documents etc.
- c. Submission of information, drawings and specifications for items that may be fabricated / Supplied by others.
- d. Preparation and submission of comprehensive operation and maintenance manuals for all the equipment supplied.
- e. Submission of records/documentation pertaining to erection, testing, start-up and putting into commission including performance tests of all materials and equipment supplied by the successful Bidder, as well as those that may be procured/fabricated by others based on the successful Bidder#s drawings, specifications and bill of materials. This will include documents for obtaining necessary certificate/clearance from statutory authorities such as Boilers Inspectorate, electrical inspectorate, etc.
- f. Furnishing details of auxiliaries which, though not a part of successful Bidder#s scope of work but are essential for safe and efficient working of the plant in terms of the contract. Preparation and submission of schematic drawings, cable routing drawings including cable Schedule, P&I Diagram.
- g. complete backup of the boiler PLC program and necessary license software to check PLC program online for trouble shooting purpose.

3. SAFTEY & FIRE PREVENTION:-

- a. Workers required to work at higher elevations shall be provided with safety belts and shall be instructed not to work without wearing the Belt.
- b. Good quality safety helmets shall be provided to Workers posted at Site of operations and Contractor will take adequate measures to make usage of these helmets mandatory.
- c. Where there is danger of falling from a height exceeding 3.25 m., suitable precaution shall be taken to prevent the

fall of persons or material. Suitable precautions shall also be taken to prevent persons being struck by articles, which might fall from scaffolds or other working places.

d. In general, the Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions and shall comply with Owner's safety rules.

4. STATUTORY OBLIGATIONS AND OTHER REGULATIONS:-

All statutory norms shall be adhered by agency by following IBR rules and act 1923, 1950.

5. MODE OF PROCURMENT:-

Design, Supply Automation and Upgradation work will be procured through open tender enquiry.

6. WARRENTY PERIOD:-

All equipment shall be covered by a warranty period of ONE (1) year from date of commissioning for workmanship & selection of materials. All the equipment shall be guaranteed for satisfactory performance. The guarantee for performance shall cover individual items and systems including electrics for their ratings/outputs, as required in the specification.

7. TRAINING:-

Necessary operation and maintenance training to be provided to the E&I, Electrical, Mechanical, departments for 3 day completion of work and handing over of all the necessary documents.

8. FAT: -

For Boiler No 2: Boiler should be run continuously up to 72 hrs. at full load with auto modulation.

9. Payment:

A. 80% payment of the cost of goods shall be made on receipt and acceptance of goods by the consignee at destination and on production of all required documents by the supplier at SPM, Hoshangabad.

B. 20% payment of the cost of goods shall be made on successful installation, commissioning and acceptance by the SPM.

C. 100% payment of the cost of installation and commissioning shall be made on successful installation, commissioning and acceptance by the SPM, Hoshangabad.

Upgradation of Boiler No. 3

This proposal deals with detailed study and techniques used for boiler automation which includes the monitoring of various real time operation parameters like: temperature, pressure and water level (using different sensors), fire position, air flow, steam flow, fuel consumption (Gas Flow Meter), start-up process sequence, level controller etc or in case of any emergency different automated system check and execute safety cut-off for the concerned process and generate notification through alarms.

In view of above, SPM Hoshangabad intend to upgrade Boiler no 3 with latest technique and advanced automation system through which overall efficiency of system will be increased.

OBJECTIVE AND DESIGN BASIS FOR EXISTING SYSTEM:

At present operation of boilers is controlled through manual intervention. The technology of this boiler is old and manual operation has low efficiency as compared to Boiler no 5 which is having latest automation. It is pertinent to improve the efficiency of existing system to reduce energy cost by upgradation to latest systems.

A detailed study of various stages for boiler no 3 upgradation by providing latest automation and features to improve functioning of

- # Feed water system of boiler no 3
 - # Blowdown of boiler no 3
 - # Manual Operation of Boiler no 3
 - # VFD drive installation
 - # Installation of ID fan and economizer, as LPG is used as a fuel hence along with APH , economizer need to be installed with bypass facility along with ID fan (in case pressure drop if required)
 - # Sequence for start-up and shut down
 - # Accounting of data for steam generation, fuel consumption, Energy consumption, equipment running hours, graphical representation of various flows of steam, water, and fuel etc.
 - # Monitoring of efficiency of complete boiler system during operation.
 - # By using SCADA control Boiler operation parameter.
 - # De-aerator temperature and level control by auto mode.
 - # And also for required civil construction and other utilities, ensure safety of men and materials by providing latest safety features and safety cutout, etc. has been considered.
- The above automation in existing system will be considered for fulfilling the current and future requirement of boiler
- S No Description Existing system

Upgradation/

Automation proposed Benefits of proposed automation

1 Zirconia oxygen analyzer: There is analyzer installed in boiler no.3 but not functioning The vendor will rectify/install the oxygen analyzer in boiler no.3 and then transmit the value of boiler no. 3 to SCADA panel for close loop control- To minimize the excess air in flue gases to save heat losses.

2. Controlling of FD fan: At present there is no close loop control for FD fan it is simply operated through star/ delta configuration. The vendor will install VFD on boiler no 3.and transmit the same to SCADA to have a close loop control. The drive will control the FD fan as per requirement resulting in saving of electrical energy.

3. Installation of ID fan and economizer: In existing system only FD fan installed with APH for using of furnace oil as fuel. But At present LPG is used as a fuel hence along with APH , economizer need to be installed with bypass facility along with ID fan (if required) to achieved Maximum heat recovery from flue gases and increased overall efficiency because there is no Sulphur in flue gases as LPG is a fuel.

4. Three element control: Presently, there is manual control system for controlling the flow of water and steam through the boilers(mobary). The vendor shall install a three element control system to control the water intake and steam outflow This system ensures balance between steam generation, drum level control and water intake and steam and direct connect to PLC to control all control valves.

5. De-aerator Level Control

Right now it is done manually. The supply shall consist of

- De aerator tank Level Transmitter
- Level Indicating control - Control Valve
- I/P converter for control valve

Modulate in auto mode

Ensure constant level and temperature by mixing of steam and water in efficient manner.

6. De-aerator Pressure Control

There is no pressure control system in the present case. The supply shall consist of

- De aerator tank Pressure Transmitter - Pressure Indicating control - Control Valve - I/P converter for control valve

Ensure constant pressure and temperature by mixing of steam and water in efficient manner or used heated water from economizer to enhance efficiency.

7. Re-circulation system: There is no recirculation control mechanism in present case. The vendor shall install the valve in recirculation line in interlock with the tank level. It will increase pump life and save the electrical energy.

8. Safety instrumentation for boiler: At present instrumentation present in modern day boilers.

This shall consist of , water level controls, override control, steam pressure gauge with cocks, water level gauge assembly, temperature transmitters, pressure transmitters, level transmitters, feeder pumps, motors, safety valves, drives, switch gears, relays , connectors, audio visual alarms etc. Prevent boiler from any abnormality in operation and provide safeguard for man and material.

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- Incomer

- Feeders for Fan, Pump, fuel feeders

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A. General

The Scope covers Design, Manufacturing, Inspection, Assembly, Testing, Supply, Installation, start up, Commissioning and Supervision during erection, commissioning and providing Performance Guarantee tests of PLC/SCADA control and power panels, and all the field instrumentation.

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All items of Equipment shall be complete in all respects and any Equipment not covered in this specification but essential for proper Installation, Operation and maintenance shall be included in the offer and the reasons for such inclusion shall be clearly stated.

Instrumentation/installation shall be strictly in accordance with IBR Standard Latest Edition for all pressure Parts Design.

The specification shall be studied thoroughly regarding the workability of the plant and equipment. The Bidder shall take full responsibility for the Guaranteed Operation of the Steam Boiler and Associated Auxiliaries Equipment as Regards to Output, Performance, Reliable and safe working of facilities indicated in the Specification.

It is not the intent of this specification to completely specify all the details of design and construction. Nevertheless, the equipment to be supplied by the Bidder shall conform to the high standards of Engineering, design, and workmanship in all respect.

C. Proposed Automation system for Boiler No 3:

a. LP Dosing system.

b. Auto Boiler Feed water system and auto recirculation in deaerator tank.

c. Replacement of Boiler Feed water pipeline.

- d. Auto control of De-aerator tank with steam and economizer.
- e. Auto Boiler Blowdown system and online TDS controller.
- f. Stack monitoring system compatibility.
- g. Oxygen analyzer rectification/Installation.
- h. PLC and SCADA operation.
- i. PLC redundancy.
- j. Burner Management compatibility with PLC (auto flame).
- k. Installation of Blowdown tank for Boiler no 3.
- l. Installation of Economizer with by-pass arrangement and ID Fan (if required).
- m. Construction of Common PLC & SCADA AC Panel room with air condition system.
- n. Installation of common New De-aerator tank for boiler No 3.

2. DRAWINGS AND DOCUMENTATION:-

- a. The successful Bidder shall submit minimum 3sets of drawings/documents during execution of the contract for each plant:
- b. Preparation and submission of all drawings and documents etc.
- c. Submission of information, drawings and specifications for items that may be fabricated / Supplied by others.
- d. Preparation and submission of comprehensive operation and maintenance manuals for all the equipment supplied.
- e. Submission of records/documentation pertaining to erection, testing, start-up and putting into commission including performance tests of all materials and equipment supplied by the successful Bidder, as well as those that may be procured/fabricated by others based on the successful Bidder#s drawings, specifications and bill of materials. This will include documents for obtaining necessary certificate/clearance from statutory authorities such as Boilers Inspectorate, electrical inspectorate, etc.
- f. Furnishing details of auxiliaries which, though not a part of successful Bidder#s scope of work but are essential for safe and efficient working of the plant in terms of the contract. Preparation and submission of schematic drawings, cable routing drawings including cable Schedule, P&I Diagram.
- g. complete backup of the boiler PLC program and necessary license software to check PLC program online for trouble shooting purpose.

3. SAFTEY & FIRE PREVENTION:-

- a. Workers required to work at higher elevations shall be provided with safety belts and shall be instructed not to work without wearing the Belt.
- b. Good quality safety helmets shall be provided to Workers posted at Site of operations and Contractor will take adequate measures to make usage of these helmets mandatory.
- c. Where there is danger of falling from a height exceeding 3.25 m., suitable precaution shall be taken to prevent the fall of persons or material. Suitable precautions shall also be taken to prevent persons being struck by articles, which might fall from scaffolds or other working places.
- d. In general, the Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions and shall comply with Owner#s safety rules.

4. STATUTORY OBLIGATIONS AND OTHER REGULATIONS:-

All statutory norms shall be adhered by agency by following IBR rules and act 1923, 1950 and firm should be IBR approved and documents for the same submit along with bid.

5. MODE OF PROCURMENT:-

Design, Supply Automation and Upgradation work will be procured through open tender enquiry.

6. WARRENTY PERIOD:-

All equipment shall be covered by a warranty period of ONE (1) year from date of commissioning for workmanship &



selection of materials. All the equipment shall be guaranteed for satisfactory performance. The guarantee for performance shall cover individual items and systems including electrics for their ratings/outputs, as required in the specification

7. TRAINING:-

Necessary operation and maintenance training to be provided to the E&I,Electrical, Mechanical, departments for 3 day completion of work and handing over of all the necessary documents.

8. FAT: -

For Boiler No 3: Boiler should be run continuously up to 72 hrs at full load with auto modulation.

9. Payment:

A. 80% payment of the cost of goods shall be made on receipt and acceptance of goods by the consignee at destination and on production of all required documents by the supplier at SPM, Hoshangabad.

B. 20% payment of the cost of goods shall be made on successful installation, commissioning and acceptance by the SPM.

C. 100% payment of the cost of installation and commissioning shall be made on successful installation, commissioning and acceptance by the SPM, Hoshangabad.

Erection, installation, testing, and commissioning of Upgradation of Boiler NO 2 & 3.

Erection and commissioning of all work mentioned in tender shall be in scope of firm and successfully executed at site.

All installation should be as per IBR 1950 and 1923 and latest amendment.

Boiler will be given one by one for upgradation.

Workers required to work at higher elevations shall be provided with safety belts and shall be instructed not to work without wearing the Belt.

Good quality safety helmets shall be provided to Workers posted at Site of operations and Contractor will take adequate measures to make usage of these helmets mandatory.

Where there is danger of falling from a height exceeding 3.25 m., suitable precaution shall be taken to prevent the fall of persons or material. Suitable precautions shall also be taken to prevent persons being struck by articles, which might fall from scaffolds or other working places.

In general, the Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions and shall comply with Owner's safety rules.

SIGNATURE OF BIDDER WITH NAME,
DESIGNATION & SEAL



Tender Number:6000016934

Section VIII: Quality Control Requirements

- 1) The Boiler should run in auto mode and control all parameters from PLC through SCADA.
- 2) All required parameter of boiler necessary for operation should be display with real time manual on screen.

(Seal and Signature of bidder)

Section IX: Qualification/Eligibility Criteria

1. Experience & Past Performance:

The Bidder shall be manufacturer of boiler and has regularly for at least the last 3 year and supplied, erected, commissioned of boiler along with automation with the same or higher specifications of 10 Ton per hours of at least one number in last five years ending on "date of bid opening". At least one number of fully automated boiler offered for supply should be in successful operation for at least one year on the date of bid opening.

Note: Startups and Micro and Small Enterprises are exempted from Experience and Past Performance Criteria.

2. Capability-Equipment & Manufacturing Facilities:-

The bidder must have an annual capacity to manufacture and supply at least 50 percent of the requirement.

3. Financial Standing :-

(a) The average annual turn-over of the Bidder during the last three (3) years, ending 31st March 2021, should be more than Rs. 1,08,79,600.00 in INR.

Note: Startups and Micro and Small Enterprises are exempted from Experience and Past Performance Criteria.

(b) The Bidder firm including the local supplier should not have suffered any financial loss for more than one (1) year during the last three (3) years, ending 31st March 2021.

(c) The net worth of the Bidder firm including the local supplier should not have eroded by more than 30% in the last three (3) years, ending 31st March 2021.

I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.

II. #Bidder# (including the term#tenderer#, #consultant# or#service provider# in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not failing in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

III. #Bidder from a country which shares a land border with India# for the purpose of thisOrder means:-

- An entity incorporated, established or registered in such a country; or
- A subsidiary of an entity incorporated, established or registered in such a country; or
- An entity substantially controlled through entities incorporated, established or registered in such a country; or
- An entity whose beneficial owner is situated in such a country; or
- An Indian (or other) agent of such an entity; or
- A natural person who is a citizen of such a country; or
- A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

IV. The beneficial owner of the purpose of (iii) above will be as under:

1. In case of company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation-

a. #Controlling ownership interest# means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company.



b. #Control# shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

VII. Following undertaking shall be submitted along with the bid on the letter head with seal and signed by the competent authority:

#I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that M/s (Firm#s Name) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that M/s (Firm#s Name) fulfills all requirements in this regard and is eligible to be considered. (Where applicable, evidence of valid registration by the Competent Authority shall be attached.)#.

I, the undersigned, declare that the item originates in..... (Name of the country).

NOTE:-

1. 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 the above eligibility criteria as submitted by the Bidder may be verified from the parties for whom work has been done.

2. All financial standing data should be certified by certified accountants e.g. Chartered Accountants (CA) in India and Certified Public Accountant/ Chartered Accountant of other countries.

3. In case agent/dealer submitted bid in the tender, then their principal/manufacture shall meet the qualifying criteria. Agent/Dealer shall submit the documents of their principal/manufacture meeting the qualifying criteria.

4. MOST IMPORTANT NOTE:-

BIDDER TO FURNISH STIPULATED DOCUMENTS IN SUPPORT OF FULFILLMENT OF QUALIFYING CRITERIA. NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS MAY LEAD TO REJECTION OF OFFER.



Section X: Tender Form

Date.....

To,

.....
.....
.....

(Complete address of SPMCIL)

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

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 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 upto....., as required in the GIT clause19, 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 upto 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 confirm that in case of downloaded Tender Document, we have not changed/ edited its contents. We realise that in case any such change is noticed at any stage including after the award of contract, we would be liable to action under clause 44 of the GIT.

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

We also solemnly declare as under:

1. MSMEs Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- (a) Company/Partnership Firm/Proprietary Concern/Society/Trust /NGO/Others (Please Specify):
- (b) Micro/ Small / Medium Enterprise/ SSI/ Govt. Dep't. / PSU/ Others:
- (c) Name of MSME Registering Body (NSIC/ DIC/ KVIC/KVIB etc.):
- (d) MSME Registration no. (with copy of registration):.....
- (e) Udyog Aadhar Memorandum no.....
- (f) Whether Proprietor/ Partner belongs to SC/ ST or Women category (Please specify names and percentage of shares held by SC/ST Partners):

2. Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP_MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

- (a) Self-Certification for category of supplier:
 - Class-I Local Supplier/
 - Class-II Local Supplier/
 - Non-Local Supplier.
- (b) We also declare that
 - There is no country whose bidders have been notified as ineligible on reciprocal basis under this order for offered product, or
 - We do not belong to any Country whose bidders are notified as ineligible on reciprocal basis under this order

3. Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017

Having read and understood the Order (Public Procurement No. 1) issued vide F.No.6/18/2019-PPD dated 23rd July 2020 (and its amendments if any) by Department of Expenditure, Ministry of Finance under the above provision and solemnly declare the following:

- We do not belong to any Country whose bidders are notified as ineligible under this order

4. Debarment Status: Please state whether business dealings with you currently stand suspended/ banned by any Ministry/ Depts. of Government of India or by any State Govt:

- Yes (with period of Ban)
- No, We, solemnly declare that neither we nor any of our affiliates or subsidiaries – including



subcontractors or suppliers for any part of the contract—do not stand declared ineligible/blacklisted/banned/debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations.

5. Penalties for false or misleading declarations: I/we hereby confirm that the particulars given above are correct and complete and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of code of Ethics and would attract penalties as mentioned in this tender document, including debarment.

.....
.....

(Signature with date)

.....
.....

Name and designation

Duly authorized to sign tender for and on behalf of

.....
.....



Section XI: Price Schedule

OFFER FORM for Tender No 6000016934 Date of opening Time 15:00 HoursWe..... hereby certify that we are established firm of manufacturers / authorised agents of M/s.....with factories at..... which are fitted with modern equipment and where the production methods, quality control and testing of all materials and parts manufactured or used by us are open to inspection by the representative of.....(Name of Purchaser). We hereby offer to supply the following items at the prices indicated below:

Price Schedule							
SR	Description	Qty. in Nos.	Unit	Rate per Qty.	Basic Cost	GST Amt.	Total
1	Boiler No. 2 duly unloading door delivery	1	EA				
2	Boiler No. 3 duly unloading door delivery	1	EA				
3	Installation and Commissioning Charges for Both Boiler at SPM	1	AU				
(A) Sub Total of Basic Cost with GST in Rs.							
(B) Other Charges in Rs.							
(C) Grand Total (A+B) in Rs.							

Note-L1 Criteria for awarding the contract shall be on consolidation of the total offered price.

1. Scope of Supply: (Cost break-up of the quoted cost, showing inter-alia costs of all the concomitant Installation/ Commissioning/ Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete must be indicated here.)

2. Taxation Details:

- a) PAN number.....
- b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.)
- c) GSTIN number.....
- d) Registered Address as per GST registration and Place of Delivery for GST Purpose
- e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts)

.....

3. It is hereby certified that we have understood the General and Special Instructions to Tenderers (GIT and SIT), and also the General and Special Conditions of Contract (GCC and SCC) attached to the tender and have thoroughly examined specifications/ Quality Control Requirements and other stipulations in Section VII & VIII- Technical Specifications and Quality Control Requirements; and are thoroughly aware of the nature of stores required and our offer is to supply stores strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the General and Special Conditions of Contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

4. We hereby offer to supply the stores detailed above or such portion thereof, as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of ---- days from the date of opening of tender (i.e., upto -----), We shall be bound by the communication of acceptance dispatched within the prescribe time.

5. Earnests Money/Bid Guarantee for an amount equal to is enclosed in form of -----(form and reference number, date) as per the Tender Documents.

Dated.....

Signature and seal of Manufacturer/Bidder

Note:

- (i) The Bidder may prepare their own offer forms as per this proforma.
- (ii) No change in the proforma is permissible.
- (iii) No erasures or alternations in the text of the offer are permitted. Any correction made in the offer shall be initialed by the bidder.
- (iv) This Section should not bring in any new Technical Parameter that has not been mentioned in the Technical Bid.

NOTE : 'BIDDER TO FURNISH STIPULATED DOCUMENTS ALONG WITH TENDER IN SUPPORT OF FULFILLMENT OF TENDER CRITERIA. FURTHER CORRESPONDENCE IN THIS REGARD WILL NOT BE ENTERTAINED FOR ANY REASON. NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS MAY LEAD TO REJECTION OF OFFER.

.....

SIGNATURE OF BIDDER
(WITH NAME, DESIGNATION AND SEAL)

Section XII Vendor Details

The tenderer should furnish specific details 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 misleading answer against any of the under mentioned question/ issues, its tender will be liable to be ignored.

1. Vendor/ Contractor particulars:

(a) Name of the Company:

(b) Corporate Identity No. (CIN):

(c) Registration if any with SPMCIL:

(d) Complete Postal Address:

(e) Pin code/ ZIP code:

(f) Telephone nos. (with country/area codes):.....

(g) Fax No.: (with country/area codes):

(h) Cell phone Nos.: (with country/area codes):

(i) Contact persons /Designation:

(j) Email IDs:

2. Taxation Details:

(a) PAN Number:

(b) Type of GST Registration (Registered, Unregistered, Composition, SEZ, RCM etc.):
.....

(c) GSTIN number:

(d) Registered Address as per GST registration and Place of Delivery for GST Purpose:

(e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts):



Tender Number: 6000016934

- We solemnly declare that our GST rating on the GST portal / Govt. official website is NOT negative / blacklisted during the last three financial years.

.....

(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

.....

.....

(Name and address of SPMCIL)

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, hereby 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]

for and on behalf of Messrs.....

Name & address of the manufacturers

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

**PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE
GUARANTEE BOND**

(ON BANK'S LETTERHEAD WITH ADHESIVE STAMP)

Ref

Date.....

Bank Guarantee No.....

To,

(Insert Name & Address of the Purchaser)

Dear Sir,

1. Against contract vide Notification for Award of the Tender No..... dated covering supply of (herein after called the 'contract') entered into between the (insert name of Purchaser) (herein after called as the Purchaser) and M/s (herein after called the 'Contractor'), this is to certify that, at the request of the Contractor, we (name of the bank), are holding in trust in favour of the Purchaser, the amount of (write the sum here in words), to indemnify and keep indemnified the Purchaser, against any loss or damage that may be caused to, or suffered by the Purchaser, by reason of any breach by the Contractor of any of the terms and conditions of the said contract and/or in the performance thereof. We agree that the decision of the Purchaser, whether any breach of any of the terms and conditions of the said contract and/or in the performance thereof has been committed by the Contractor; and the amount of loss or damage that has been caused or suffered by the Purchaser, shall be final and binding on us, and the amount of the said loss or damage shall be paid by us,
2. We (name of the bank), further agree that, the guarantee herein contained, shall remain in full force and effect, for sixty days after the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER, including warranty period whichever is later, i.e. till....., (hereinafter called the 'said date') and that if any claim accrues or arises against us.....(name of the bank), by virtue of this guarantee before the said date, the same shall be enforceable against us..... (name of the bank), notwithstanding the fact that the same is enforced within six months after the said date, provided that notice of any such claim has been given to us, ... (name of the bank), by the Purchaser, before the said date. Payment under this bond of guarantee shall be made promptly, upon our receipt of notice to that effect, from the Purchaser.
3. It is fully understood that this guarantee is effective from the date of the said contract and that we..... (name of the bank), undertake not to revoke this guarantee during its currency, without the consent in writing of the Purchaser.



4. We undertake to pay to the Purchaser, any money so demanded, notwithstanding any dispute or disputes raised by the Contractor, in any suit or proceeding pending before any Court or Tribunal, relating thereto, our liability under this present, being absolute and unequivocal. The payments so made by us under this bond, shall be a valid discharge of our liability for payment thereunder, and the Contractor shall have no claim against us, for making such payments.

5. We..... (name of the bank), further agree that the Purchaser shall have the fullest liberty, without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said contract, or to extend time of performance by the Contractor, from time to time, or to postpone for any time or form, time to time, any of the powers exercisable by the Purchaser, against the said Contractor and to for bear or enforce any of the terms and conditions relating to the said contracts and we
(name of the bank), shall not be released from our liability under **(name of the bank)**, shall not be released from our liability under this guarantee, by reason of any such variation or extension being granted to the said Contractor, or for any forbearance and/or omission on the part of the Purchaser, or any indulgence by the Purchaser towards the said Contractor, or by any other matter or thing whatsoever, which under the law relating to sureties, would, but for this provision, have the effect of so releasing us from our liability under this guarantee.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

Date:

Place:

Signature.....

(Printed Name).....

(Designation).....

Witnesses

(Bank's Common Seal)



Section XVI: Contract Form

(Address of SPMCIL's office issuing the contract)

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 datedand 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 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:

Schedule No.	Brief description of goods/ services	Accounting unit	Quantity to be supplied	Unit Price (in Rs.)	Total price



Any other additional services (if applicable) and cost there of:
Total value (in figure) _____ (In words) _____

- (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 Pre-bid Conference/ Bid Opening

(Refer to clause 24.2 of GIT)

The General Manager

Unit Address

Subject: Authorization for attending bid opening on _____ (date) in the Tender of _____.

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
I.		
II.		
Alternate Representative		
Signatures of bidder or Officer authorized to sign the bid Documents on behalf of the bidder		

NOTE

1. Maximum of two representatives will be permitted to attend pre-bid conference/ bid opening. In cases where it is restricted to one, first named representative will be allowed to attend. Alternate representative will be permitted when regular representatives are not able to attend.
2. In case of pre-bid conference, self-attested copy of proof of purchase of Bid documents, in the name of the bidder must be enclosed with this authorization, without which entry would be refused. Bid documents would be available for sale at the site also.
3. Permission for entry to the hall where even is held may be refused in case authorization as prescribed above is not produced.

Section XVIII: Proforma of Bills for Payments

(Refer Clause 22.6 of GCC)

Name and Address of the Firm

Bill No Dated

Purchase order No Dated

Name and address of the consignee

S. No	Authority for purchase	Description of Stores	Number or quantity	Rate Rs. P.	Price per Rs. P.	Amount
Total						

1. GST/ CGST/ SGST/ UTGST/ IGST 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.)
9. TCS (u/s 206C (1 H) of IT Act in not applicable, as SPM will deduct TDS U/s 194Q.

Dispatch detail RR No. other proof of dispatch

Dated (enclosed)

Inspection Certificate No dated (enclosed)

Place and Date

Received Rs

Rupees)

We solemnly certify that:

- a. Goods and Services Tax (GST) charged on this Bill is not more than what is payable under the provision of the relevant Act or the Rules made there under.
- b. Goods on which GST has been charged have not been exempted under the GST Act or the rules made there under and the charges on account of GST on these goods are correct under the provisions of that Act or the Rules made there under.
- c. We are registered with above indicated GSTIN as dealer in the State where in their Billing address is located for the purpose of GST.
- d. This bill form / invoice is not a replacement for the GST invoice. The proper GST invoice as per requirements of GST rules has been sent to the Purchaser as and when deliveries are made to the consignee.
- e. 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



Tender Number: 6000016934

Section XIX: NEFT Mandate

(Refer clause 22.2 of GCC)

From: M/s.

Date:

To:

(Insert Name and Address of Purchaser's Paying Authority as per NIT Clause 1)

Sub: NEFT payments

We refer to RBI's NEFT scheme. Our mandate SPMCIL for making payments to us through the above scheme to our under noted account.

NATIONAL ELECTRONIC FUNDS TRANSFER MANDATE FORM

1.	Name of City	
2.	Bank Code No.	
3.	Branch Code No.	
4.	Bank's Name	
5.	Branch Address	
6.	Branch Telephone / Fax No.	
7.	Supplier's Account No.	
8.	Type of Account	
9.	IFSC code for NEFT	
10.	IFSC code for RTGS	
11.	Supplier's name as per Account	
12.	MICR Code No.	

In Lieu of Bank Certificate to be obtained as under, please attach a bank cancelled cheque or photocopy of a cheque or front page of your bank passbook issued by your bank for verification of the above particulars.



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I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option intimation letter and agree to discharge responsibility expected of me as a participant under the scheme.

Date

Signature of the Customer

Certified that the above particulars are correct as per our record.

Stamp and
Signature of authorized
Official of the bank