



Air Force Golden Jubilee Institute
Subroto Park, New Delhi - 110010
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**INSTALLATION & COMMISSIONING OF REVERSE
OSMOSIS SYSTEM (RO PLANT) IN PRIMARY WING**

AT

AIR FORCE GOLDEN JUBILEE INSTITUTE
SUBROTO PARK, NEW DELHI – 110010

DATE OF ISSUE OF TENDER FORM	:	04 FEB 2025
LAST DATE FOR SUBMISSION OF TENDER	:	11 FEB 2025 (Till 1100 hrs)
TENDER OPENING DATE / TIME (Technical Bid)	:	11 FEB 2025 (1130 hrs)

TENDER NOTICE AND SCHEDULE OF EVENTS

1. Sealed tenders are invited from experienced contractors under two bid system i.e. Technical Bid and Commercial Bid possessing valid licenses and are in the business of RO plant at Air Force Golden Jubilee Institute, Subroto Park, New Delhi – 110010.

Name of the work/contract	Installation & Commissioning of Reverse Osmosis System (RO Plant) in Primary Wing
EMD amount to be deposited	Rs. 25,000 (Rupees Twenty Five Thousand Only)
Downloading of Tender Document from School's website	04 Feb 2025
Last date for submission of tender form	11 Feb 2025 at 1100 hrs in the office of Section Officer, AFGJI, Subroto Park, New Delhi
Postal Address for correspondence / sending bids	Air Force Golden Jubilee Institute, Subroto Park, New Delhi – 110010
Opening of Tender (Technical Bid)	11 Feb 2025 at 1130 hrs in the office of Section Officer, AFGJI, Subroto Park, New Delhi
Opening of Tender (Commercial Bid)	Will be intimated later after opening of Technical Bid
Contact Person (for any clarifications)	Principal, AFGJI Tel No.: 011-25692819 (0900 hrs to 1400 hrs)

2. AFGJI may issue addendum(s)/corrigendum(s) to the tender documents through the school's website. Such addendum(s)/corrigendum(s) (if any) shall also be submitted, duly stamped and signed, along with the submission of tenders.

Signature & stamp of Tenderer

TENDER
INVITATION OF BIDS FOR
INSTALLATION & COMMISSIONING OF
REVERSE OSMOSIS SYSTEM (RO PLANT) IN PRIMARY WING

(Request for Proposal (RFP) No. AFGJI/24-25/012/Wks Dated 04 Feb 25)

1. Sealed tenders are invited from experienced & interested contractors under two bid system i.e. Technical Bid and Commercial Bid in sealed cover for **“Installation & Commissioning of Reverse Osmosis System (RO Plant) in Primary Wing” of Air Force Golden Jubilee Institute, Subroto Park, New Delhi**. Please subscribe the above mentioned title, RFP number and date of opening of the Bids on the sealed cover to avoid the bid being declared invalid.
2. The address and contact numbers for sending Bids or seeking clarifications regarding RFP are as detailed below: -

(a)	Bids / Queries to be addressed to	Principal, Air Force Golden Jubilee Institute, Subroto Park, New Delhi, Pin Code - 110 010
(b)	Postal Address for Correspondence / Sending Bids	Air Force Golden Jubilee Institute, Subroto Park, New Delhi – 110 010
(c)	Name/designation of the Contact personnel	Principal, Air Force Golden Jubilee Institute (AFGJI)
(d)	Telephone numbers / E-mail of the contact person	Tel No: 25692819 (0900 h to 1400 h) afgjisp@gmail.com

3. This RFP is divided into Five Parts as follows:
 - (a) **Part I** – Contains General Information and Instructions for the Bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
 - (b) **Part II** – Contains essential details of the items/services required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
 - (c) **Part III** – Contains Standard Conditions of RFP, which will form part of the Contract with the successful Bidder.
 - (d) **Part IV** – Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.
 - (e) **Part V** – Contains Evaluation Criteria and Format for Price Bids.
4. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary, at any stage.

Sd/---
 (Alka Singh)
 Principal,

Signature & stamp of Tenderer

PART - I

GENERAL INFORMATION

1. Last Date and Time for Depositing the Bids: 11 Feb 25, 1100 hrs

The sealed bids should be deposited by the due date and time. The responsibility to ensure this lies with the Bidder.

2. Manner of Depositing the Bids: Sealed Bids should be either dropped in the Tender Box marked as **"Installation & Commissioning of Reverse Osmosis System (RO Plant) in Primary Wing" of Air Force Golden Jubilee Institute, Subroto Park, New Delhi-110010** or sent by registered post/speed post at the address given in para 2(a) of RFP so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/non-receipt of Bid documents. **Bids sent by FAX or e-mail will not be considered.**

3. Time and Date of opening of Bids (Technical Bid): 11 Feb 25, 1130 hrs

(If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the School)

4. Location of the Tender Box: The tender box will be located in the Office of Section Officer of **Air Force Golden Jubilee Institute, Subroto Park, New Delhi-110010**. On the date of opening, only those Bids that are found in the tender box and received by post till said date & time will be opened. **Bids dropped in the wrong Tender Box will be rendered invalid.**

5. Eligibility Criteria: The registered firm under the relevant act and in the business of subject work services are only eligible for participating in the bid. The bidder has to submit self-attested photocopy of following documents along with their tender:

(a)	Copy of registration certificate of the firm (Proprietorship / Partnership / Society / Co-Operative society / MoA / Limited Liability Partnership Company incorporated under Companies Act).
(b)	Attested copy of GST certificate.
(c)	Attested copy of PAN Card /GIR No.
(d)	Bank address with NEFT/RTGS Account details.
(e)	Complete contact details such as Postal Address, email address and phone number of office.
(f)	Only Delhi + NCR firms are eligible to participate in the tender.
(g)	Should have an experience of having successfully completed similar major works during the last 05 years ending previous day of last date of submission of tenders.

6. Place of Opening of the Bids: The bids will be opened in the office of Admin Officer of AFGJI, Subroto Park, New Delhi. The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. Rates and important commercial clauses quoted by all Bidders will be read out in the presence of the representatives of all the Bidders. The opening of bidding/tender form will not be postponed due to non-presence of representative(s) of the bidders.

7. **Two-Bid System.** The Technical Bids would be opened on the scheduled time and date. Date of opening of the Commercial Bids will be intimated after acceptance of the Technical bids. Commercial Bids of only those firms will be opened, whose Technical Bids are found compliant /suitable after technical evaluation is done by the School.
8. **Forwarding of Bids.** Bids should be forwarded by Bidders under their original memo / letter pad inter alia furnishing details like GST number, Bank address with NEFT/RTGS Account, if applicable, etc. and complete postal & e-mail address of their office.
9. **Clarification Regarding Contents of the RFP:** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the buyer in writing about the clarifications sought not later than 07 (seven) days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents.
10. **Modification and Withdrawal of Bids:** A bidder may withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the School prior to deadline prescribed for submission of bids. A withdrawal notice may be sent by email but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. **Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.**
11. **Clarification Regarding Contents of the Bids.** During evaluation and comparison of bids, the School may, at its discretion, ask the bidders for clarification of their bids. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.
12. **Rejection of Bids.** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.
13. **Unwillingness to Quote.** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bids, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.
14. **Validity of Bids.** The Bids should remain valid until 90 days from the last date of submission of the Bids.
15. **Instructions to Bidders for filling up the Bids / Quotations.** The bidders shall be at liberty to visit, survey and study the area / site and assess / understand the quantum of work before placing his bid for the Supply / Work Order. The bidders are advised to follow the following points so as to ensure non-rejection of Bids due to errors generally committed while filling the Bids: -
- (a) Bidders are to submit Commercial Bid and EMD in sealed envelopes, duly superscripted, wherein they should also super-scribe the respective firm's name.
 - (b) All the clauses/columns of Commercial Bid are to be filled and the **RFP should be submitted duly sealed and signed on all pages.** The Bidders are to authenticate each page of the RFP with signature and seal of firm before submission.

(c) The Commercial Bids should not contain or indicate any conditional offer. Also, separate letters suggesting changes in rates quoted on the letter head or the quotation form, whether upward or downward, will not be accepted after opening the quotations as per scheduled time and date and also may lead to rejection of quotation.

(d) Commercial Bid Proforma as annexed at **Appendix “A”** to this RFP is to be filled completely in all respects.

(e) **No (R), No over writing is allowed in the rates quoted in Commercial Bids.** However, if the rate is to be amended, the old rate is to be encircled and new rate to be quoted separately and duly authenticated by the bidder.

(f) In Commercial Bids the rates are to be quoted in words as well as in figures. In case of any ambiguity/discrepancy, the rates quoted in words shall be considered as final.

(g) The Commercial Bid should mandatorily be signed by authorized person and duly stamped with Firm’s rubber seal. Failure to comply with this provision shall result in rejection of the Commercial Bid.

(h) Supporting documentary proofs are to be submitted along with the bids in respect of past performance statements / completion report / experience certificate etc.

16. Earnest Money Deposit. Bidders are required to submit Earnest Money Deposit (EMD) i.e. an amount of **Rs. 25,000/- (Rupees Twenty Five Thousand only)** in favor of **“AIR FORCE GOLDEN JUBILEE INSTITUTE”** along with their bids. The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the public sector banks or a private sector bank authorized to conduct government business as per Form DPM-16 (Available in MoD website and can be provided on request). EMD is to remain valid for a period of 90 days. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the Supply / Work Order. **The Bid Security of the successful bidder would be returned, without any interest whatsoever only after the completion of the project.** EMD is not required from Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with Central Purchase Organization or the concerned Ministries or Department or Startups as recognized by Department of Industrial Policy and Promotion (DIPP) on production of valid registration certificate. **The EMD will be forfeited if the bidder withdraws or amends, impairs or derogates from the tender in any respect within the validity period of their tender.**

17. Discrepancy in Quoted Price. Bids with any discrepancy in quoted price will be rejected unilaterally by the school.

18. The Lowest Acceptable Bid will be considered further for placement of Contract after complete clarification and price negotiations as decided by the School. The School will have the right to award Contract to different Bidders for being lowest in particular items. The School also reserves the right to do Apportionment of Quantity, if it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time.

PART II

ESSENTIAL DETAILS OF ITEMS / SERVICES REQUIRED

1. **Schedule of Requirements:** - List of items / services required is as follows: -

“BOQ FOR INSTALLATION & COMMISSIONING OF REVERSE OSMOSIS SYSTEM (RO PLANT) IN PRIMARY WING”

TECHNICAL DATA FOR PRESSURE SAND FILTER AND CARBON FILTER

S. No.	Description	
1	Flow (Cum / Hr)	3000
2	Filtration rate (Cum / Hr)	12000
3	Quantity (Nos)	2 (carbon filter & sand filter)
4	MOC of Filter	FRP
5	Make	Pentair
6	Diameter (mm)	450
7	Height of Shell (mm)	1665
8	Max Working Pressure	5 Kg/sq.cm
9	Min Working Pressure	2.0 Kg/sq.cm
10	Frontal Piping MOC	UPVC
11	Frontal Piping size	32 MM (lump sum as per ltr)
12	Pressure Guages	
a	Make	Baumer
b	Pressure Guage Dial Size (mm)	100
c	Pressure Guage MOC	SS
d	Pressure Guages Type	Bourdon Tube
e	Pressure Guages Range (Kg/Sq.cm)	0-7 0-21
f	Qty of pressure gauge	2 Nos
13	Automatic MPV	
a	Make	Pentair USA
b	Qty	2 Nos
c	Model	5600 SXT
14	Ball Valve	
a	Make	Zoloto / I tap / RB
b	Qty of ball valve	2 Nos
c	MOC of ball valve	SS-316
15	Filter Media Qty (Kgs)	
a	1"	20 KG
b	1/2"	50 KG
c	4/8"	50 KG
e	16/32	50 KG
f	Fine sand	100 KG
g	Coconut Carbon 1000 iv	75 Kg

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TECHNICAL DATA FOR REVERSE OSMOSIS SYSTEM 1000 LPH

S. No.	Description	SL Requirement
1	Quantity (Nos)	1
2	Permeate Capacity (Cum/Hr)	1000
A	Inlet Parameter	
i	TSS (ppm)	<2
ii	SDI	<3
iii	Turbidity	<1
iv	Free Chlorine	Nil
v	Oil & Grease	Nil
vi	RAW WATER TDS (ppm)	2000- 3000
B	Outlet Water Quality Requirement	
i	pH	6.5 to 7.5
ii	RO WATER TDS (ppm)	30-100
4	Micron Cartridge Filter	
a	Make	Pentair
b	Size (Inch)	4.5" Ø X 20" long
c	Filter Size (Micron)	5
d	Quantity (Nos)	2
e	MOC Casing	PP
f	Type	PP Spiral wound
5	Chemical Dosing Systems	
A	Dosing Tank	
i	MOC	LDPE (CV, White color tank)
ii	Capacity (Ltrs)	100
iii	Quantity (Nos)	2
iv	Make	SINTEX
B	Dosing Pump	
i	Capacity (LPH)	12 LPH
ii	Pressure Rating (Kg/sq.cm)	5 BAR
iii	Make	Pentair
iv	Quantity (Nos)	2
6	RO Feed Pumps	
i	Quantity (Nos)	2
ii	Capacity (Cum/Hr)	2000
iii	Head (mWC)	45
iv	Make	Grundfos
v	Type	Monobloc
vi	MOC Casing & Impeller	SS 316
vii	Motor Rating	1.1 KW
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
7	RO Skid	SS 316
8	RO Membrane	

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i	Type	BW, F.T.
ii	Make	Dupont / Hydranautics
iii	Size of Membrane	4040
iv	No of Membrane	4
v	No of Vessels	4
vi	Make of pressure vessel	Pentair
vii	MOC of pressure vessel	FRP
viii	Pressure rating of pr. Vessel	300 PSI
ix	Array of pressure vessel	1
x	Recovery (%)	70%
9	RO High Pressure Pumps	
i	Quantity (Nos)	2
ii	Capacity (Cum/Hr)	2000 LPH
iii	Head (mWC)	140 MTR
iv	Make	Grundfos
v	Type	Vertical
vi	MOC Casing & Impeller	SS 316
vii	Motor Rating	2.2 kw (3Hp)
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
10	CIP System	
A	CIP Pumps	
i	Quantity (Nos)	1
ii	Capacity (Cum/Hr)	2
iii	Head (mWC)	25 MTR
iv	Make	Grundfos
v	Type	Monobloc
vi	MOC casing & Impeller	SS 316
vii	Motor Rating	1.1 KW
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
B	CIP Tank	
i	MOC	FRP / LDPE (White color tank)
ii	Capacity (Ltrs)	200 LTR
iii	Quantity (Nos)	1
iv	Make	Sintex
11	Auto Flushing Valve	
i	Make	Aira
ii	Voltage	230 V
iii	Type	Electrically operated – Normally Close
12	RO Piping	
i	Make	Astal
ii	MOC - Permeate Line	UPVC SCH.80
iii	MOC - Feed, High Pressure & Reject Line	SS 316

Signature & stamp of Tenderer

13	Standard Accessories	RO piping with 230 V Electrically operated auto valves, Flow Meters Turbine Base with Dump valve, Control Panel with PLC (GE/Schneider), Embrak pH and TDS meter, Embrak ORP meter, Danfos High & low pressure switches, auto flush timer, etc.
14	Scope of Work	Supply, Installation & Commissioning of RO
15	Warranty	03 Year from the date of commissioning

**TECHNICAL DATA FOR
TANKS, HOT & COLD WATER PLANT & RELEVANT PLUMBING LINES**

S. No.	Description	
	Supply and Fixing of CPVC Pipe, Fitting, Supports, RO Water Tank Sintex , Hot & Cold RO Water Tank, Shed 10ft x 10ft Height – 7ft, fiber / acrylic sheet	
1	RO Water Tank	
a	Make	Sintex Pure Antibacterial
b	Capacity (Ltrs)	2000
c	Quantity (Nos)	2
d	MOC	Food Grade LDPE (White color tank)
2	Pipe and Fittings	
a	Make	Astral
b	Pipe Size	25mm to 50mm
c	Quantity	1 Lot (350 mtr)
3	Hot and Cold Water System	
a	Stainless Steel Insulated Storage (MOC)	SS 304 (200 ltr)
b	Quantity (Nos)	1
c	Capacity (Ltrs)	200 Ltr
d	Heating Capacating	3 Kw (Heater capacity)
e	Compressor (for cooling)	1 Hp
4	Recirculation Pump	
a	MOC	SS 304
b	Make	Grundfos
c	Quantity (Nos)	1
a	MOC	SS 304

S. No.	Description	Qty
1	Waste Water Tank (SINTEX TANK 1000 Ltrs each) on Raised brick, PCC (Proper Compaction, filling etc.) and plastered platform 5ft x 5ft size with height 12"	02
2	Pipe and fitting (Gate value, 20mm, 32mm with all fittings)	120 mtrs
3	½ HP motor Crompton with all electrical connectivity, switches, MCB etc.	01 Unit

Signature & stamp of Tenderer

BOQ FOR RO SYSTEM

S. NO	ITEM	UNIT	QTY
1	Supply & installation of reverse osmosis system with hot & chiller plant (RO plant & hot & chiller plant as per list of items, specifications mentioned in technical bid performa mentioned in para 1 of Part – II of this RFP) with all water pipelines (insulated & non insulated as per requirement) from and to (from water source to plant further to all water points.	---	01
2	Making platform of 100 mm thick by laying brick bats with mortar using broken bricks/brick bats 25 mm to 50 mm size with cement mortar 1:4:8 (1 cement : 4 coarse sand: 8 brick bats) admixed with water proofing compound conforming to IS : 2645 and finishing it with 15 to 20 mm thick cement sand mortar 1 :4, with a floating coat of neat cement mix with water proofing compound (make Dr. fixit) in proportion recommended by the manufacturer	SQM	20
3	Providing and fixing MS welded wire mesh frame, with wire mesh 25X75mm strands 3mm thick and outer frame made of 40x40x5mm MS angle and panels having vertical support of MS T of size 40x40x5mm at every 1200mm. The panel should consist of cross support of 25X5mm MS flat, welded all through till the edges. The whole frame with wire mesh is to be fixed with cleat, fastner, holdfast etc. on roof and parapet walls and painting the same with synthetic enamel paint before giving a priming coat of approved brand and manufacture to give an even shade (weight will be considered only for the work executed. the top of the frame to be raised by giving additional support member and maintaining adequate slope for metro sheet roofing	KG	900
4	Providing and fixing of G.I metro sheet roofing 0.5mm thick of make Asian, Jindal with necessary arrangement like riveted, bolted, welded hooks, screws, nuts, washer, etc. with EPDM seal.	SQM	20
5	<u>Water Waste System from RO plant to School garden area</u> Waste Water Tank to be constructed on ground on a raised platform made of brick, PCC (Proper Compaction, filling etc.) and plastered platform 5ft x 5ft size with height 12" (Qty - 02): SINTEX TANK (1000 Ltrs each) Pipe and fitting with all relevant civil work concealed & open pipeline upto school gardens (Gate value, 20mm, 32mm with all fittings) : 100 Mtrs ½ HP motor Crompton with all electrical connectivity : 1 Unit	1 Job	

Please note that tenderer shall visit the site of work before tendering and ensure attending of Pre-Bid meeting.

2. **Execution Period** — The execution period for subject work services would be 30 days from the effective date of contract. Please note that Work Order can be cancelled unilaterally by the School in case work is not started within the stipulated time. Extension of contracted execution period will be at the sole discretion of the School.

3. **Consignee Details** - Principal, Air Force Golden Jubilee Institute, Subroto Park, New Delhi -110010.

4. **Miscellaneous Terms and Condition:**

(a) The bidder has to read the tender documents carefully before filling and put his/her signature with official stamp on each page of RFP.

Signature & stamp of Tenderer

- (b) The offer of the Tenderer shall be valid for 90 days (03 months) from the last date of submission of Tender/revised offer (if any).
- (c) Sealed envelope should contain Commercial Bid & Earnest Money with superscription "**Supply & Installation of Reverse Osmosis System (RO Plant) in Primary Wing**" at Air Force Golden Jubilee Institute, Subroto Park, New Delhi-110010". Commercial Bid should mention only prices in the stipulated format without any condition. The prices shall be filled up both in figures and in words and the total amount shall be calculated and rounded off to the nearest rupee. **No overwriting or use of correction fluid shall be accepted.** Any corrections shall be legible and signed by the authorized signatory.

PART - III

STANDARD CONDITIONS OF RFP

1. The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Bidder in the Contract) as selected by the School. **The bidder has to put his/her signature with office seal on each page of the RFP as token of read and accepted the terms & conditions of RFP and submit the same alongwith other connected documents under the covering letter on the letter head of their company/firm.** Failure to do so may result in rejection of the Bid submitted by the Bidder.
2. **Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The Contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
3. **Effective Date of the Contract:** The work service order shall come into effect on the date of signatures of both the parties on the Contract (Effective Date) and shall remain valid until the completion of the obligations of the parties under the Contract. The deliveries and supplies and performance of the services shall commence from the effective date of the Contract.
4. **Arbitration:**
 - (a) All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions.
 - (b) Any dispute, disagreement or question arising out of or relating to the Contract or relating to construction or performance, which cannot be settled amicably, may be resolved through arbitration.
 - (c) The arbitrator shall be nominated in writing by Chairman Management Committee, Air Force Golden Jubilee Institute, Subroto Park, New Delhi-110010.
 - (d) The sole arbitrator shall have its seat in Delhi.

(e) The parties shall continue to perform their respective obligations under this Contract during the pendency of the arbitration proceedings except in so far as such obligations are the subject matter of this said arbitration proceedings.

5. **Penalty for use of Undue influence:** The Bidder undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the School or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or dis-favour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Bidder or any one employed by him or acting on his behalf (whether with or without the knowledge of the Bidder) or the commission of any offence by the Bidder or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1988 or any other Act enacted for the prevention of corruption shall entitle the School to cancel the Contract and all or any other Contract with the Bidder and recover from the Bidder the amount of any loss arising from such cancellation. A decision of the School or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Bidder. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Bidder towards any officer/employee of the School or to any other person in a position to influence any officer/employee of the School for showing any favour in relation to this or any other Contract, shall render the Bidder to such liability/ penalty as the School may deem proper, including but not limited to termination of the Contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the School.

6. **Agents / Agency Commission:** The Bidder confirms and declares to the School that the Bidder is the original manufacturer of the stores/provider of the services referred to in this Contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the Contract to the Bidder; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Bidder agrees that if it is established at any time to the satisfaction of the School that the present declaration is in any way incorrect or if at a later stage it is discovered by the School that the Bidder has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this Contract, the Bidder will be liable to refund that amount to the School. The Bidder will also be debarred from entering into any Contract with the Government of India for a minimum period of five years. The School will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Bidder who shall in such an event be liable to refund all payments made by the School in terms of the Contract along with interest at the rate of 2% per annum above Labour rate. The School will also have the right to recover any such amount from any Contract concluded earlier with the Government of India.

7. **Access to Books of Accounts:** In case it is found to the satisfaction of the School that the Bidder has engaged an Agent or paid commission or influenced any person to obtain the Contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Bidder, on a specific request of the School, shall provide necessary information/ inspection of the relevant financial documents/information.

8. **Non-disclosure of Contract Documents:** Except with the written consent of the School/ Bidder, other party shall not disclose the Contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

9. **Liquidated Damages:** In the event of the Bidders failure to submit the Bonds, Guarantees and Documents & supply the stores/goods, etc., as specified in this Contract, the School may, at his discretion, withhold any payment until the completion of the Contract. The school may also deduct from the Bidder as agreed, liquidated damages to the sum of 0.5% of the Contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores.

10. **Termination of Contract:** The School shall have the right to terminate this Contract in part or in full in any of the following cases: -

- (a) The execution of work is delayed for causes not attributable to Force Majeure for more than 25 days from the date of receipt of work order.
- (b) The Bidder is declared bankrupt or becomes insolvent.
- (c) The delivery of material is delayed due to causes of Force Majeure by more than one month provided Force Majeure clause is included in Contract.
- (d) The School has noticed that the Bidder has utilized the services of any Indian/Foreign agent in getting this Contract and paid any commission to such individual/company etc.
- (e) As per decision of the Arbitrator appointed vide Para 4 (c) of Part III, above.

11. **Notices.** Any notice required or permitted by the Contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

12. **Transfer and Sub-letting.** The Bidder has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

13. **Patents and other Industrial Property Rights.** The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The Seller shall indemnify the Buyer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Seller shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.

14. **Amendments:** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

15. **Taxes and Duties:**

- (a) If Bidder desires to ask for excise duty or sales tax/Service Tax/VAT/GST extra, the same must be specifically stated. In the absence of any such stipulation it

will be presumed that the prices include all such charges and no claim for the same will be entertained.

(b) If reimbursement of any Duty/Tax/GST is intended as extra over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be resumed that the prices quoted are firm and final and no claim on account of such Duty/Tax/GST will be entertained after the opening of the Tenders.

(c) If a Bidder chooses to quote a price inclusive of any duty/Tax/GST and does not confirm that duty/Tax/GST so included is firm and final, he should clearly indicate the rate of such duty/Tax/GST and quantum of such duty/Tax/GST included in the price. Failure to do so may result in ignoring of such offers summarily.

(d) If a bidder is exempted from payment of any duty/Tax/GST up to any value of supplies from them, he should clearly state that no such duty/Tax/GST will be charged by him up to limit of exemption which he may have. If any concession is available in regard to rate/Quantum of any duty/Tax/GST, it should be brought out clearly. Stipulations like, the said duty/Tax/GST was presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that such duty/Tax/GST will not be charged by him even if the same becomes applicable later on. In respect of Bidders who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of such duty/Tax/GST which is normally applicable on the item in question for the purpose of comparing their price with other Bidders.

(e) Any change in any duty/Tax/GST upward/downward as a result of statutory variation in excise taking place within contract terms shall be allowed to the extent of actual quantum of such duty/Tax/GST paid by the supplier. Similarly, in case of downward revision in any duty/Tax/GST, the actual quantum of reduction of such duty/Tax/GST shall be reimbursed to the buyer by the seller. All such adjustments shall include all reliefs, exemptions, Rebates, Concession etc., if any, obtained by the seller.

PART IV

SPECIAL CONDITIONS OF RFP

The Bidder is required to give confirmation of their acceptance of Special Conditions of RFP mentioned below which is automatically be considered as part of the contract concluded with the successful Bidder (i.e., Seller in the contract) as selected by the consignee. Failure to do so may result in rejection of Bid.

1. **Repeat Order clause:** The Contract has a Repeat Order clause, wherein the consignee can order up to 50% quantity of the items under the present contract within six months from the date of supply/successful completion of this contract, the cost, terms and conditions remaining the same. The Bidder is to confirm acceptances of this clause. It will be entirely the discretion of the consignee to place the repeat order or not.

2. **Payment Terms.** It will be mandatory for the Bidders to indicate their Bank Account Numbers and other relevant e-payment details, so that payments could be made through ECS/NEFT Mechanism, in addition to/ instead of payment through Cheques, wherever feasible. The payment will be made as per the following terms:

(a) No Advance payment will be made.

(b) 95% payment shall be released within 20 days from supply of material, installation work, commissioning and completion of work in all respects. Payment will be made on the basis of submission of bill and joint verification by school officials and your agency subjected to approval by CFA. No interest shall be payable to bidder against their due payment. Remaining 5% will be held as security deposit and will be paid on completion of 36 months of the completion of total work.

3. **Paying Authority:** The payments of Bills will be made by Air Force Golden Jubilee Institute, Subroto Park, New Delhi-110010.

4. **Force Majeure Clause.**

(a) Neither party shall bear responsibility for the complete or partial non-performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods under the provisions of the present Supply/ Work Order), if the non-performance results from such Force Majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control that have arisen after the conclusion of the present Supply/ Work Order.

(b) In such circumstances the time stipulated for the performance of an obligation under the present Supply/ Work Order is extended correspondingly for the period of time of action of these circumstances and their consequences.

(c) The party for which it becomes impossible to meet obligations under this Supply/ Work Order due to Force Majeure conditions, is to notify in written form the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from the moment of their beginning.

(d) Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be a sufficient proof of commencement and cessation of the above circumstances.

(e) If the impossibility of complete or partial performance of an obligation lasts for more than 6 (six) months, either party hereto reserves the right to terminate the Supply/ Work Order totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

5. **Inspection Authority (Quantity and quality control):** The inspection will be carried out by the buyer (School). The model of inspection will be Departmental Inspection/ consignee inspection/ joint inspection/ self-certification.

6. Performance Guarantee. The lowest bidder will be required to furnish a Performance Guarantee by way of Demand Draft/Banker's Cheque or Bank Guarantee through a public sector bank or a private sector bank authorized to conduct government business for a sum equal to 05% (Five percent) of the contract value within 30 days of receipt of the confirmed order. Performance Bank Guarantee should be valid upto 60 days beyond the date of expiry of contract. The PBG will be subject to encashment by the buyer, in case the conditions regarding adherence to the delivery scheduled, settlement of claims and other provisions of the supply order are not fulfilled by the seller. Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit receipt from a commercial bank, Bank Guarantee (including e-Bank Guarantee) from a commercial bank or online payment in an acceptable form.

7. Warranty. The following Warranty will form part of the contract placed on successful Bidder:

(a) The Seller warrants that the items supplied under the contract conform to specifications prescribed and shall perform according to the said specifications mentioned in commercial bid.

(b) The seller warrants for a period of **three years** from the date of submission of final bill of the said work and Joint Receipt Inspection that the items supplied under the contract and each material used in the manufacture thereof shall be free from all types of defects/failures.

(c) If within the period of warranty, the goods are reported by the Buyer to have failed to perform as per the specifications, the Seller shall either replace or rectify the same free of charge, within a maximum period of 15 days of notification of such defect received by the Seller, provided that the goods are used and maintained by the Buyer as per instructions contained in the Operating Manual. Warranty of the equipment would be extended by such duration of downtime. Record of the down time would be maintained by the user in the logbook. Spares required for warranty repairs shall be provided free of cost by the Seller.

(d) The Seller shall associate technical personnel of the Maintenance agency and Quality Assurance Agency of the Buyer during warranty repair and shall also provide the details of complete defects, reasons and remedial actions for defects.

(e) In case the complete delivery of Engineering Support Package is delayed beyond the period stipulated in this contract, the Seller undertakes that the warranty period for the goods/stores shall be extended to that extent.

PART V

EVALUATION CRITERIA AND PRICE BID ISSUES

1. **Evaluation Criteria:** The broad guidelines for evaluation of Bids will be as follows.

(a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP.

(b) The lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per the Price Format given at **Appendix „A“**. Price are to be quoted only in Indian Rupees. All taxes and duties (including those for which exemption certificates are issued) quoted by the Bidders will be considered. The ultimate cost of the project will be consider as on work L-1 will be decided including levies taxes and duties such as GST etc. for ranking of Bids.

(c) The Bidders are required to spell out the rates of customs duty, Excise duty, GST etc. in unambiguous terms; otherwise their offers will be loaded with the maximum rates of duties and taxes for the purpose of comparison of prices. If reimbursement of GST is intended as extra, over the quoted price, the Bidder must specifically say so. 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 such duties will be entrained after the opening of tenders. If a Bidder chooses to quote a price inclusive of any duty and does not confirm inclusive of such duty so included is firm and final, he should clearly indicate the rate of such duty and quantum of excise duty included in the price. Failure to do so may result in ignoring of such offers summarily. If a Bidder is exempted from payment of Customs duty / Excise Duty / GST duty upto any value of supplies from them, they should clearly state that no excise duty will be charged by them up to the limit of exemption which they may have. If any concession is available in regard to rate/ quantum of Customs duty /Excise Duty / GST, it should be brought out clearly. Stipulations like, excise duty was presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that excise duty will not be charged by him even if the same becomes applicable later on. In respect of the Bidders who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of excise duty which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders. The same logic applies to Customs duty and GST also.

(d) If there is discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.

(e) The lowest Acceptable Bid will be considered further for placement of contract/ Supply Order after complete clarification and price negotiations as decided by the Buyer. The Buyer also reserves the right to do Apportionment of Quantity, if it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time.

(f) Any other criteria as applicable to suit a particular case.

2. **Risk and Expense Purchase**

(a) Risk & Expense Purchase: Risk and expense purchase clause may be included in the RFP and the contract, if considered necessary. Risk and Expense purchase is undertaken by the purchaser in the event of the supplier failing to honour the contracted obligations within the stipulated period and where extension of delivery period is not approved. While initiating risk

purchase at the cost and expense of the supplier, the purchaser must satisfy himself that the supplier has failed to deliver and has been given adequate and proper notice to discharge his obligations. Whenever risk purchase is resorted to, the supplier is liable to pay the additional amount spent by the Government, if any, in procuring the said contracted goods/ services through a fresh contract, i.e. the defaulting supplier has to bear the excess cost incurred as compared with the amount contracted with him. Factors like method of recovering such amount should also be considered while taking a decision to invoke the provision for risk purchase. A Standard Risk & Expense Purchase clause is given in Part-IV of Appendix C of DPM-2009.

(b) Risk and Expense purchase clause not mandatory: Risk purchase at the cost and expense of the supplier may not always be a practical proposition as it may not be feasible to enforce recovery without legal action. This clause is rarely invoked in case of import contracts for this reason. In such cases where the item is of proprietary nature or there is only one qualified firm to supply the items and there is a remote possibility of procuring the same item from an alternative source, it will be essential that instead of having risk and cost clause in the contract, the contract should have performance guarantee clause to cover any such default.

(c) Alternative remedies to Risk & Expense Purchase Clause: In case of foreign contracts, risk and expense clause is generally not applicable. The other remedies available to the purchaser in the absence of the Risk and Expense Clause are as follows:

- (i) Deduct the quantitative cost of discrepancy from any of the outstanding payments of the supplier.
- (ii) Avoid issue of further RFP's to the firm till resolution of the discrepancy.
- (iii) Bring up the issue of discrepancy in all meetings with the representative of supplier.
- (iv) Provide for adequate Bank Guarantee to cover such risks.
- (v) In case of foreign contracts, finally approach the Government of the Supplier's country through the Ministry of Defence, if needed.

3. **Technical Bid Proforma.** The Technical Bid and Details of similar Major Supply/Work Order format is given at **Appendix 'A'** and Bidders are required to fill this up correctly with full details and put his signature with official seal.

4. **Commercial Bid Format.** The **Commercial Bid format** is given at **Appendix 'B'** and Bidders are required to fill this up correctly with full details **clearly indicating GST applicable** and put his signature with official seal.

5. **Undertaking.** The bidder has also to submit **Certificate for Acceptance of Tender / Undertaking** as per the format given at **Appendix 'C'**.

6. **Declaration.** The bidder has also to submit **Declaration** as per the format given at **Appendix 'D'**.

TECHNICAL BID PROFORMA FOR
"INSTALLATION & COMMISSIONING OF
REVERSE OSMOSIS SYSTEM (RO PLANT) IN PRIMARY WING"
AT AIR FORCE GOLDEN JUBILEE INSTITUTE, SUBROTO PARK, NEW DELHI -110010

1. Name of the Firm :
2. Address :
.....
3. Contact No. :
4. QRs (**Supporting documents to be Annexed Mandatorily**): -

(a)	Attested copy of GST certificate	Attached / Not Attached
(b)	PAN Card /GIR No. (The evidence for filing of IT return for last two assessment years to be enclosed).	Attached / Not Attached
(c)	Copy of registration certificate of the firm (proprietorship / Partnership / Society / co-operative society / MoA / limited liability partnership company incorporated under companies Act)	Attached / Not Attached
(d)	Bank solvency certificate issued not earlier than 01 Jan 2024 inter-alia stating that the account of firm is not under attachment by any court or Govt. Agency.	Attached / Not Attached
(e)	Details of EMD as required. (Clearly write Bank Name, DD No, Date & Amount.)	
	(i) Amount Rs.	
	(ii) DD No. and date	
	(iii) Valid upto	
(f)	E-mail id	

5. **Details of similar Major Supply/Work Order** with Central Government/State Government/ PSUs/Reputed Firms during the last five years in the following format: -

S. No.	Details of Clients, along with address, telephone No & Fax No	Amount of Contract / Supply / Work Order	Duration of Contract/Supply/ Work Order		Type of Project work accomplished
			From	To	
(a)					
(b)					
(c)					
(d)					

(Bidder can attach additional sheet to furnish above mentioned information, if required)

TECHNICAL DATA FOR PRESSURE SAND FILTER AND CARBON FILTER

S. No.	Description	
1	Flow (Cum / Hr)	3000
2	Filtration rate (Cum / Hr)	12000
3	Quantity (Nos)	2 (carbon filter & sand filter)
4	MOC of Filter	FRP
5	Make	Pentair
6	Diameter (mm)	450
7	Height of Shell (mm)	1665
8	Max Working Pressure	5 Kg/sq.cm
9	Min Working Pressure	2.0 Kg/sq.cm
10	Frontal Piping MOC	UPVC
11	Frontal Piping size	32 MM (lump sum as per ltr)
12	Pressure Guages	
a	Make	Baumer
b	Pressure Guage Dial Size (mm)	100
c	Pressure Guage MOC	SS
d	Pressure Guages Type	Bourdon Tube
e	Pressure Guages Range (Kg/Sq.cm)	0-7 0-21
f	Qty of pressure gauge	2 Nos
13	Automatic MPV	

Signature & stamp of Tenderer

a	Make	Pentair USA
b	Qty	2 Nos
c	Model	5600 SXT
14	Ball Valve	
a	Make	Zoloto / I tap / RB
b	Qty of ball valve	2 Nos
c	MOC of ball valve	SS-316
15	Filter Media Qty (Kgs)	
a	1"	20 KG
b	1/2"	50 KG
c	4/8"	50 KG
e	16/32	50 KG
f	Fine sand	100 KG
g	Coconut Carbon 1000 iv	75 Kg

TECHNICAL DATA FOR REVERSE OSMOSIS SYSTEM 1000 LPH

S. No.	Description	SL Requirement
1	Quantity (Nos)	1
2	Permeate Capacity (Cum/Hr)	1000
A	Inlet Parameter	
i	TSS (ppm)	<2
ii	SDI	<3
iii	Turbidity	<1
iv	Free Chlorine	Nil
v	Oil & Grease	Nil
vi	RAW WATER TDS (ppm)	2000- 3000
B	Outlet Water Quality Requirement	
i	pH	6.5 to 7.5
ii	RO WATER TDS (ppm)	30-100
4	Micron Cartridge Filter	
a	Make	Pentair
b	Size (Inch)	4.5" Ø X 20" long
c	Filter Size (Micron)	5
d	Quantity (Nos)	2
e	MOC Casing	PP
f	Type	PP Spiral wound
5	Chemical Dosing Systems	
A	Dosing Tank	
i	MOC	LDPE (CV, White color tank)
ii	Capacity (Ltrs)	100
iii	Quantity (Nos)	2
iv	Make	SINTEX
B	Dosing Pump	
i	Capacity (LPH)	12 LPH
ii	Pressure Rating (Kg/sq.cm)	5 BAR
iii	Make	Pentair
iv	Quantity (Nos)	2
6	RO Feed Pumps	

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i	Quantity (Nos)	2
ii	Capacity (Cum/Hr)	2000
iii	Head (mWC)	45
iv	Make	Grundfos
v	Type	Monobloc
vi	MOC Casing & Impeller	SS 316
vii	Motor Rating	1.1 KW
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
7	RO Skid	SS 316
8	RO Membrane	
i	Type	BW, F.T.
ii	Make	Dupont / Hydranautics
iii	Size of Membrane	4040
iv	No of Membrane	4
v	No of Vessels	4
vi	Make of pressure vessel	Pentair
vii	MOC of pressure vessel	FRP
viii	Pressure rating of pr. Vessel	300 PSI
ix	Array of pressure vessel	1
x	Recovery (%)	70%
9	RO High Pressure Pumps	
i	Quantity (Nos)	2
ii	Capacity (Cum/Hr)	2000 LPH
iii	Head (mWC)	140 MTR
iv	Make	Grundfos
v	Type	Vertical
vi	MOC Casing & Impeller	SS 316
vii	Motor Rating	2.2 kw (3Hp)
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
10	CIP System	
A	CIP Pumps	
i	Quantity (Nos)	1
ii	Capacity (Cum/Hr)	2
iii	Head (mWC)	25 MTR
iv	Make	Grundfos
v	Type	Monobloc
vi	MOC casing & Impeller	SS 316
vii	Motor Rating	1.1 KW
viii	Motor RPM	2900
ix	Motor Phase	3 Phase
x	Protection Class	IP 55 / IP 68
xi	Starter Required	Star
B	CIP Tank	
i	MOC	FRP / LDPE (White color tank)
ii	Capacity (Ltrs)	200 LTR

Signature & stamp of Tenderer

iii	Quantity (Nos)	1
iv	Make	Sintex
11	Auto Flushing Valve	
i	Make	Aira
ii	Voltage	230 V
iii	Type	Electrically operated – Normally Close
12	RO Piping	
i	Make	Astal
ii	MOC - Permeate Line	UPVC SCH.80
iii	MOC - Feed, High Pressure & Reject Line	SS 316
13	Standard Accessories	RO piping with 230 V Electrically operated auto valves, Flow Meters Turbine Base with Dump valve, Control Panel with PLC (GE/Schneider), Embrak pH and TDS meter, Embrak ORP meter, Danfos High & low pressure switches, auto flush timer, etc.
14	Scope of Work	Supply, Installation & Commissioning of RO
15	Warranty	03 Year from the date of commissioning

**TECHNICAL DATA FOR
TANKS, HOT & COLD WATER PLANT & RELEVANT PLUMBING LINES**

S. No.	Description	
	Supply and Fixing of CPVC Pipe, Fitting, Supports, RO Water Tank Sintex , Hot & Cold RO Water Tank, Shed 10ft x 10ft Height – 7ft, fiber / acrylic sheet	
1	RO Water Tank	
a	Make	Sintex Pure Antibacterial
b	Capacity (Ltrs)	2000
c	Quantity (Nos)	2
d	MOC	Food Grade LDPE (White color tank)
2	Pipe and Fittings	
a	Make	Astral
b	Pipe Size	25mm to 50mm
c	Quantity	1 Lot (350 mtr)
3	Hot and Cold Water System	
a	Stainless Steel Insulated Storage (MOC)	SS 304 (200 ltr)
b	Quantity (Nos)	1
c	Capacity (Ltrs)	200 Ltr
d	Heating Capacating	3 Kw (Heater capacity)
e	Compressor (for cooling)	1 Hp
4	Recirculation Pump	
a	MOC	SS 304
b	Make	Grundfos
c	Quantity (Nos)	1
a	MOC	SS 304

Signature & stamp of Tenderer

S. No.	Description	Qty
1	Waste Water Tank (SINTEX TANK 1000 Ltrs each) on Raised brick, PCC (Proper Compaction, filling etc.) and plastered platform 5ft x 5ft size with height 12"	02
2	Pipe and fitting (Gate valve, 20mm, 32mm with all fittings)	120 mtrs
3	½ HP motor Crompton with all electrical connectivity, switches, MCB etc.	01 Unit

SALIENT FEATURES WITH MANDATORY REQUIREMENTS
FOR INSTALLATION & COMMISSIONING OF REVERSE OSMOSIS SYSTEM
(RO PLANT) IN PRY WING

1. Filtration Capacity per hour : 1000 Ltrs/hrs
2. Existing TDS of water : 400 – 2000
3. Required TDS of water after installation of RO : 40 – 70
4. Water Pipes & Water Tank – Properly insulated, of good quality which has properties of not affected by extreme hot and cold weather
5. Water temperature required at user end / water taps
End point : 20⁰ - 35⁰ : Winter
10⁰ – 15⁰ : Summer
6. The water should have the following qualities
Transparent
Free from impurities such as suspended solids or any other micro organisms
Bacteria Free
Salmonella Free
Floride Free
7. Should contain essential minerals and salts also, should have permissible chlorination.
8. Comprehensive Guarantee / Warranty : 03 Years
(on plant, motors, mechanical parts, pipelines, filters etc.)

Signature & stamp of Tenderer

Declaration

I confirm that I will provide items as per Technical details as listed. I also hereby certify that the information furnished above is true and correct to the best of my knowledge and belief. I understand that in case any deviation is found in the above statement at any stage, I/We will be blacklisted and will not have any dealing with the Department in future

Date:_____

Place:_____

Office Stamp:

Signature of Tenderer:_____

Name : _____

Mobile No.:_____

GST No.:_____

PAN No.:_____

ESI Regn No (if applicable):_____

Address:_____

APPENDIX "B"

(Refer Para 2 of Part V of RFP)

COMMERCIAL BID PROFORMA FOR**"BOQ FOR SUPPLY & INSTALLATION OF
REVERSE OSMOSIS SYSTEM (RO PLANT) IN PRIMARY WING AT
AIR FORCE GOLDEN JUBILEE INSTITUTE, SUBROTO PARK, NEW DELHI-110010**

S. NO	ITEM	UNIT	QTY	RATE	AMOUNT
1	Supply & installation of reverse osmosis system with hot & chiller plant (RO plant & hot & chiller plant as per list of items, specifications mentioned in technical bid performa mentioned in para 1 of Part – II of this RFP) with all water pipelines (insulated & non insulated as per requirement) from and to (from water source to plant further to all water points.	---	01		
2	Making platform of 100 mm thick by laying brick bats with mortar using broken bricks/brick bats 25 mm to 50 mm size with cement mortar 1:4:8 (1 cement : 4 coarse sand: 8 brick bats) admixed with water proofing compound conforming to IS : 2645 and finishing it with 15 to 20 mm thick cement sand mortar 1 :4, with a floating coat of neat cement mix with water proofing compound (make Dr. fixit) in proportion recommended by the manufacturer	SQM	20		
3	Providing and fixing MS welded wire mesh frame, with wire mesh 25X75mm strands 3mm thick and outer frame made of 40x40x5mm MS angle and panels having vertical support of MS T of size 40x40x5mm at every 1200mm. The panel should consist of cross support of 25X5mm MS flat, welded all through till the edges. The whole frame with wire mesh is to be fixed with cleat, fastner, holdfast etc. on roof and parapet walls and painting the same with synthetic enamel paint before giving a priming coat of approved brand and manufacture to give an even shade (weight will be considered only for the work executed. the top of the frame to be raised by giving additional support member and maintaining adequate slope for metro sheet roofing	KG	900		
4	Providing and fixing of G.I metro sheet roofing 0.5mm thick of make Asian, Jindal with necessary arrangement like riveted, bolted, welded hooks, screws, nuts, washer, etc. with EPDM seal.	SQM	20		

Signature & stamp of Tenderer

S. NO	ITEM	Qty	Amount
5	<u>Water Waste System from RO plant to School garden area</u> Waste Water Tank to be constructed on ground on a raised platform made of brick, PCC (Proper Compaction, filling etc.) and plastered platform 5ft x 5ft size with height 12" (Qty - 02): SINTEX TANK (1000 Ltrs each) Pipe and fitting with all relevant civil work concealed & open pipeline upto school gardens (Gate value, 20mm, 32mm with all fittings) : 100 Mtrs ½ HP motor Crompton with all electrical connectivity : 1 Unit	01 Work	
	Total		
	GST @ 18%		
	Grand Total		

NOTE: The quantity may vary, the payment will be done on actual basis.

I/We have read and understood all the clauses given above and shall abide by them.

Date: _____

Place: _____

Office Stamp:

Signature of Tenderer: _____

Name : _____

Mobile No.: _____

GST No.: _____

PAN No.: _____

ESI Regn. No (if applicable): _____

Address: _____

Signature & stamp of Tenderer

CERTIFICATE FOR ACCEPTANCE OF TENDER / UNDERTAKING

1. I/we the undersigned certify that I have gone through the terms and conditions mentioned in the bidding document and undertake to comply with them.
2. The rates quoted by me/us and binding upon me/us for the entire period of Contract and it is certified that the rates quoted are the lowest as quoted in any other institution in India.
3. I/we give the rights to the competent authority of AFGJI, to forfeit the Earnest Money/Security Money deposited by me/us in case of breach of conditions of Contract.

Signature of Tenderer: _____

Name : _____

Mobile No.: _____

GST No.: _____

PAN No.: _____

ESI Regn. No (if applicable): _____

Address: _____

Date: _____

Place _____

Office Stamp:

DECLARATION

1. I, _____ Son/Daughter of Shri _____ Proprietor / Partner
Director/ Authorized Signatory of _____ is / am competent to
sign this declaration and execute this tender document.

2. I have carefully read and understood all the terms and conditions of the tender and
hereby convey my acceptance of the same.

3. The information / documents furnished along with the above application are true and
authentic to the best of my knowledge and belief. I / we, am / are well aware of the fact that
furnishing of any false information / fabricated document would lead to rejection of my tender
at any stage besides liabilities towards prosecution under appropriate law.

Signature of Tenderer: _____

Name : _____

Mobile No.: _____

GST No.: _____

PAN No.: _____

ESI Regn No (if applicable): _____

Address: _____

Date: _____

Place _____

Office Stamp:

N.B.: The above declaration, duly signed and sealed by the authorized signatory of the
company, should be enclosed with Technical Bid.