



भाकृअनुप-राष्ट्रीय उच्चसुरक्षापशुरोगसंस्थान
ICAR-National Institute of High Security Animal Diseases
(एवियनइन्फ्लूएंजाओ.आई.ई. संदर्भप्रयोगशाला)
(OIE Reference Laboratory for Avian Influenza)
आनंदनगर, भोपाल- ४६२०२२ (म.प्र.), भारत
Anand Nagar, Bhopal - 462022 (M.P.), India



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F. No. 9-71/24-25/NIHSAD (P&S)

Dated: - 18.12.2024

To

M/s.

Sub: - Repair work including replacement of MS pipeline of pump house with GI and CPVC Pipeline – reg.

Dear Sir/Madam,

We intend to carryout following repair work as per details given below: -

S.NO.	SCOPE OF WORK	QTY	AMOUNT
1.	Repair work including replacement of old deteriorated MS pipe line and fittings setup with new GI pipes and CPVC pipes and fittings at pump house. All repair/ replacement work shall be as per the scope of work/ technical specification and the quantity and quality of materials used shall be as per specifications mentioned in Annexure-1(Item wise rates to be filled by bidder) . The list of preferred brand/ make of materials/ items is enclosed in Annexure- 2 .	One job	
GST%			
TOTAL AMOUNT			
TOTAL AMOUNT IN WORDS :-			

1. TECHNICAL SPECIFICATIONS OF PIPE, FITTINGS, VALVES AND ASSOCIATED ACCESSORIES

Sl. No.	Description of Work	Unit (1)	Qty (2)	Quoted rate per unit to be filled by bidder (3)	Amount to be filled by bidder (4)=(2)x(3)
1	Excavation trenches by mechanical / manual means of required width for pipes, cables, etc including excavation for sockets and dressing of sides ramming of bottoms, for all depths, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming watering, etc and disposal of surplus excavated soil as directed, within a lead of 50 m :				
1.1	For all kinds of soil				
1.1.1	Pipes, cables etc exceeding 80 mm dia. but Not exceeding 300 mm dia.	Meter	90.0		
2	Providing and laying cement concrete of specific grade with finished surface excluding the cost of centering and shuttering – all works up to plinth level.				
2.2	1:1.5:3 (1 cement: 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20mm nominal size derived from natural sources).	Cum	1.50		
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	1.50		
4	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
4.1	Above 40 mm nominal bore	Metre	85.0		
5	Providing and fixing G.I. pipes complete of class C or higher grade with G.I. fittings including trenching and refilling etc.				
5.1	15 mm dia nominal bore	Metre	7.0		
5.2	65 mm dia nominal bore	Metre	85.0		
6	Providing and fixing gun metal non- return valve (Dual plate check valve) wafer type, of approved quality, screwed end with suitable flange, gasket packing and nut-bolts etc. (with Manual operation and spring –SS304, Disc-SS304, Pressure- PN16, Maximum Temperature- 90°C, Design standard - API594 and Rating – ANSI Class 125-12):				

6.1	65 mm nominal bore				
6.1.1	Horizontal	Each	4.0		
7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work :				
7.1	20 mm nominal dia Pipes	Metre	36.0		
8	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
8.1	15 mm nominal bore	Each	6.0		
9	Painting G.I. pipes and fittings with two coats of anti-corrosive bituminous paint of approved quality :				
9.1	15 mm diameter pipe	Metre	7.0		
9.2	65 mm diameter pipe	Metre	85.0		
10	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
10.1	15 mm nominal bore	Each	4.0		
10.2	25 mm nominal bore	Each	4.0		
10.3	40 mm nominal bore	Each	4.0		
11	Providing and fixing lever operated C.I. butterfly valve (wafer type) suitable G.I. pipes of class C, having flanged end connection, disc and shaft of SS 304, seat of ethylene propylene rubber (EPDM), and supply including all gasket packings, nut-bolts, threaded/welded joint fittings, this includes jointing of pipes, fittings & testing of joints complete as per direction of Engineer-in-charge.				
11.1	For 65 mm nominal dia Pipes	Each	10.0		
12	Providing and fixing C.I. Flow meter (wafer type), having flanged end connection, Analog display with Maximum reading: 999999.99m ³ , Minimum reading: 0.0005m ³ , Maximum Temperature- 90°C and supply including all gasket packings, nut-bolts, threaded/welded joint fittings, this includes jointing of pipes, fittings & testing of joints complete as per direction of Engineer-in-charge.				
12.1	For 65 mm nominal dia Pipes	Each	4.0		
13	Providing and fixing Reducing Tee suitable for G.I. class C pipes, supply includes threaded/welded joint fitting of pipes & testing of joints complete as per direction of Engineer-in-charge.				
13.1	For 65 mm x15 mm nominal dia Pipes	Each	4.0		
14	Providing and fixing Bend suitable for G.I. class C pipes, supply includes threaded/welded joint fitting of pipes & testing of joints complete as per direction of				

	Engineer-in-charge.				
14.1	Short Bend for 65 mm nominal bore	Each	12.0		
14.2	Long Bend for 65 mm nominal bore	Each	16.0		
15	Providing and fixing flange suitable for G.I. class C pipes, supply includes threaded/welded joint fitting of pipes & testing of joints complete as per direction of Engineer-in-charge.				
15.1	For 65 mm nominal bore	Pair	16.0		
16	Providing and fixing G.I. Reducer suitable for G.I. class C pipes, supply includes threaded/welded joint fitting of pipes & testing of joints complete as per direction of Engineer-in-charge.				
16.1	For 65 mm x50 mm nominal bore	Each	6.0		
17	Providing and fixing G.I. Elbow suitable for G.I. class C pipes, supply includes threaded/welded joint fitting of pipes & testing of joints complete as per direction of Engineer-in-charge.				
17.1	For 15 mm nominal bore	Each	8.0		
TOTAL AMOUNT					

2. INSTALLATION AND COMMISSIONING

1. Supply, Installation, testing and commissioning of GI and CPVC pipeline has to be carried out at the designated location at ICAR-NIHSAD pump house.
2. The work Includes dismantling of old MS pipe lines, fittings and valves and Supplying, installation, Commissioning and testing of new GI pipe line and CPVC pipe line with associated fitting ,flow meter and valves as per BOQ.
3. The old pipelines and fittings after dismantling will be returned to ICAR-NIHSAD store.
4. Excavation of soil for laying the new pipelines will be under bidder's scope.
5. The GI pipes will be joined using MS Flange through welding.
6. The GI pipes and fittings shall be coated with a single layer of Japan Black Anti-Corrosive paint.
7. After the pipes are satisfactorily installed and tested for leakage, they must be promptly covered with soil. Any breakages that occur during the process must be promptly repaired.

3. ELIGIBILITY CRITERIA:-

1. Experience in supply, installation, testing & commissioning of G.I. pipes/ M.S pipes/ S.S pipes for water supply line with at least 1 work worth at least Rs.3.0 lakhs each executed in last 3 years in GOVT / PSU / Autonomous bodies (scanned copies of work contract and certificate of satisfactory work completion from at least 1 client must be enclosed).
2. The firm shall have an average annual turnover of **Rs.5 lakhs during** last three years. (Scanned copy indicating the same must be enclosed)

4. OTHER TERMS AND CONDITIONS:-

1. The bidder shall quote rates which will include the supply of materials & labour charges for replacement of MS pipe setup of Pump house etc. to ICAR-NIHSAD, Bhopal.
2. The successful bidder shall complete the repair work including replacement of MS pipe line within 2-3 days in phased manner such that the distribution of water is not hampered from the date of confirmed work order.
3. The replacement of MS pipe line shall be carried out under the supervision of NIHSAD staff.
4. All repair work including replacement work should be as per scope of work & quantity of materials **(Annexure-I)** including dismantling and repairing of civil parts and minor modification, if any.
5. The bidder shall be responsible for the complete laying and installation of GI pipes and fittings as per the specifications provided in the bid documents.
6. All the erection materials, such as supports, flanges, nut bolts, bends, tees, clamps, consumables, welding rod, welding machine, Japan black anti-corrosive paint, Teflon tape, CPVC solvent etc. in required quantities are under the bidder's scope, even though not specified in schedule of quantities. **Hence, bidders are advised to visit the site before quoting.**
7. All the flow meters will be connected in horizontal orientation.
8. Scanned copy of Firm's registration, Pan Card, GST No. etc. must be submitted along with bid.
9. Warranty of atleast 01 Year from the date of satisfactory laying and installation if any.
10. If the quantity of any item mentioned above is insufficient, it is the responsibility of the bidder to provide the additional quantity needed to complete the work and under bidder's scope.
11. Hydraulic testing of the installed GI Pipes for leakage must be done and is under bidder's scope.
12. The bidder must ensure that all work is carried out in compliance with relevant latest CPWD work manuals rules, state law , and national regulations, codes, and standards pertaining to plumbing and construction.
13. The bidder shall employ skilled workers experienced in the installation of GI pipes and fittings. All work shall be carried out with the highest standards of workmanship.
14. The bidder shall implement appropriate safety measures to ensure the safety of workers, and property during the installation process. All safety regulations must be strictly followed.
15. The bidder will have to furnish the make and catalogue of the items mentioned above.
16. The CPVC pipes and fittings will be installed and fitted using solvent best suited for CPVC Sch 80.

5. INSTRUCTIONS TO BIDDER

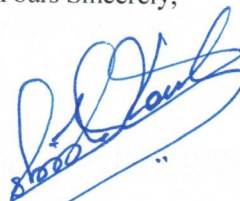
You are requested to please submit PI/ Quotation for the above mentioned items. Please note that:-

1. Rates are to be quoted on F.O.R. NIHSAD, Bhopal.
2. Quotations should be submitted under two bid system in a separate envelope (Technical Bid + Financial Bid) clearly mentioning at the top Tender No. - F. No. 9-71/24-25/NIHSAD(P&S), "Repair Work including replacement of MS pipeline of Pump house with GI & CPVC pipeline". The technical bid & the financial bid should be sealed in a separate envelope & both these sealed covers are to be put in a bigger cover which should also be sealed.
3. Only technically suitable bids will be considered for financial evaluation.
4. Scanned copy of Firm's registration, Pan Card, GST No. etc. must be submitted along with bid. Further, scanned copy of experience in similar work and annual turnover certificate during last 3 years as per serial no.3 of annexure-1 must be submitted.
5. **Bid Security:-** The firm, to whom the tender will be awarded, will have to deposit the performance security equal to 10% of the total quoted amount before supply. If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.

6. The bidder shall quote rates, which will include the supply of materials & repair work including replacement of MS pipeline of pump house with GI and CPVC pipeline etc. F.O.R to ICAR-NIHSAD, Bhopal.
7. The successful bidder shall have to complete the repairing/ replacement within 30 days from the date of confirmed work order.
8. Firm(s) quoting part supply will not be considered for issue of purchase/repair/ work order.
9. Part payment will not be made.
10. The National Institute of High Security Animal Diseases, Indian Council of Agricultural Research under the Dept. Of Agriculture Research and Education (DARE), Govt. of India is engaged in Research and Development activities in the field of Animal Sciences. This Institute is 100% funded by the Govt. of India and has been exempted from the payment of Excise Duty under Notification No. 51/96-Customs dated 23.July, 1996 and amended by Notification No. 43/2017 dated 30.06.2017, Notification No. 47/2017-Integrated Tax (Rule) dated 14.11.2017 and Notification No. 45/2017-Central Tax (Rate) dated 14.11.2017, Notification No. 45/2017-Union Territory Tax (Rule) dated 14.11.2017 and is registered under the Ministry of Science & Technology, Dept. Of Scientific and Industrial Research vide Regd. No. TU/V/RG-CDE (1235)/2024 dated 02.09.2024 (copy enclosed). Hence, any taxes may be charged accordingly.
11. GST Number, if any, to be shown separately.
12. E-Payment will be made within 60 days after satisfactory completion of repair/ replacement work.
13. Delivery Period: 30 days.

The Quotation may be submitted up to **23.01.2025** in a closed envelope duly superscribed. **File No. 9-71/24-25/NIHSAD (P&S)**, Quotation for Repair work including replacement of MS pipeline of pump house with GI and CPVC pipeline

Yours Sincerely,



(Ashish Chobey)
Administrative Officer
Phone No. 0755-275467

LIST OF PREFERRED MAKES/BRANDS AND MATERIAL RELATED TO WORKS

S.No	Items/ Material	Preferred makes/material
1.	AAC Block	Acrocon, siporex, Ultratech, Ecolite, Concrelite, JK Laxmi (Cement Ltd.), BILTECH, Kansal, Dlite Blocks, Orilite/Orillite-Kota, E-Crete
2.	AAC Block Adhesive	Ferrous crete (Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixed Block), Berger Home Shield.
3.	Acrylic Distemper, Emulsion, Synthetic Enamel Paint and Primer, Multi surface paint	Asian Paints, ICI Dulux, Berger, Nerolac
4.	Epoxy Adhesive	FOSROC, Aquomix, Choksey, BAL-ENDURA, Berger Paints India Ltd.
5.	Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro Bond, Alstrong, Aludecor
6.	Aluminium Door window hardware (ISI Mark only)	Shalimar. Archie
7.	Aluminium Extrusion/ Section	Hindalco, Indian Aluminium Co. Jindal
8.	Annealed Float Glass	Saint Gobain, Modi Guard, Asashi
9.	Auditorium Chairs	Godrej, Wipro, Methodex, Bonton, Penworker, Durion, Spacewood
10.	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
11.	Calcium Silicate Board/ Tiles	Aerolite, Hilux, Starpan
12.	CC Pavers / Grass Pavers/ Curve Stone	Nitco, Hindustan, Ultra, KIS, Concrete, Duracrete, Mehtab Tiles, Kaptim
13.	Centrifugally Cast Iron NECO, SKE, BIC, RIF, KAPILANSHI, HIF, Electrosteel, Pipe & Fittings	NECO, SKE, BIC, RIF, KAPILANSHI, HIF, Electrosteel
14.	C.I Hubless pipe	SKF, NECO, Kapilansh
15.	Ceramic Tiles	Kajaria, Somany, Nitco, Johnson, RAK Ceramics
16.	Chequered/ Tactile Tiles	Dura, Eurocon, Modern, Hindustan, Johnson, Eavison, NITCO
17.	CI Manhole Cover	SKF, NICO, Hepco, Kapilansh
18.	CI/ Double flanged non-return valves	Kirloskar, Sant, Kartar
19.	CI / SCI Spun pipes and Fittings	NECQ, HEPCO, Bengal Iron Corporation
20.	CP fittings	Jaquar, Mare, Kohler, Grohe, Hindware, Shakti, Prayag Polymers(P), Ltd.
21.	CPVC Pipes & Fittings	Astral, Ashirvad, Prince, Supreme, Finolex, VECTUS, Prayag
22.	CRCA Steel sheer	TAT, Jindal, Sail
23.	Curtain Carrier/ Drapery Rod	Marvel, Vista levior, Johnson
24.	Dash Fastener,	Hilti, Bosch Fischer

	Expansion Bolt	
25.	Hydraulic Door closer, Floor springs	Dorma, Hettich, Havel, Geze, dorset
26.	Ductile Iron Pipe (Water Supply)	Electro Steel, Kesoram, KDUPL, Electro Spun, TATA DUCTURA
27.	EPDM Gasket	Hanu, Anand, Lescuyer
28.	GRC Tactile Tile	Unistone, Eurocon, Dazzle
29.	Epoxy Grouting Compound	Pidilite, Ferrous Crete (Ferro-102). MYK, LATICRETE, Berger Paints India Ltd.
30.	Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Asian Paints
31.	Elastomeric Antifungal Exterior Paints	Ultima of Asian Paints, Weathershield of ICI Dulux, Alguard of Berger
32.	Fire Check Door	Navair, Godrej, Shakti
33.	Float Glass Mirror	Modifloat, Saint Gobain, Asahi, TATA float
34.	Flush Doors (ISI Mark only)	Century, Kitlam, Archid, Greenply, Marino, Duro, Jayna, Gujcon, Durian, AI flush door
35.	Friction Stay	Earl-Bihar, Geze, Hettich, Securistyle
36.	Galvanized Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
37.	GI Pipe & fittings	TATA, Zenith, Jindal, Prakash Surya, Swastik
38.	GI Sheet	Sail, TATA, Jindal
39.	Geotextile	Manas, Osian, Wadhwa
40.	Gun Metal Gate Valve, Ball Valve	Zoloto, Leader, SANT
41.	Glass Mosaic Tile	Bisazza, Italia, Pallodio, Mridul
42.	Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, Saint-Gobain, Pidilite
43.	Gypsum Plaster	Asian Paints, Fosroc, BASF, Sika, Saint-Gobain, Pidilite
44.	FRP Door	Fiberways, Jayna, Shiv Shakti
45.	Hardener	Hardcrete of Snoweem India, Pidilite, CICO, Berger Paints India Ltd.
46.	HDPE Ppes	VECTUS, Emco, Polyfins, Pioneer, Plylab
47.	Jet Assembly for EWC/ Health Faucet	Parryware, Jaquar, Mare
48.	Kitchen loft tank	Sintex, TirupatiStructurals Ltd, KMS Plast world P. Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel InC.
49.	Laminate and Vaneers	Merino, Grecian Formica, Kitlam.
50.	Locks / Latch	Godrej, Harrison, Dorma, Yale, dorset, Hafele
51.	Marine Plywood/ BWP Ply/ Plywood	Duro, Century, Greenlam
52.	Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Berger
53.	Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone, Hunter Douglas
54.	MinerlsFibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
55.	M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash, Surya
56.	M.S. Tubes	Tata, Apollo, Prakash Surya

57.	Multi-Coat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, BASF, Sika Ultratech, Asian Paints, Fosroc, Berger Paints India Ltd.
58.	PL.AL.PL. Pipes	Kitech, Vectus, Jindal
59.	Plywood	Greenply, Century, Duro
60.	Polycarbonate Sheet	Bayer, Macrolux, Danpalon, Danpalon India
61.	Polysulphide/ Silicon Sealant	Pidilite, Fosroc, Tuffseal, Berger Paints India Ltd.
62.	POP (Plaster of paris)	JK. Laxmi, SriramNirman, Sakarni
63.	PPR Pipes	SFMC, SAFE, Poiner Industries, Vectus
64.	Precast. CC interlocking Tiles	Hindustan, Paver India, KK
65.	Pre-coated Profile Sheet	Tata, Bhushan or equivalent
66.	Pre-laminated Particular Board	Ecoboard, Action-Tesa, Dura, Century, Ply, Greenlam, Albihari
67.	Pressed Steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi
68.	PTMT Water supply fittings	Prayag, Polytuff, Estylo, Plasto, Shakti, Prayag
69.	PVC Cistern	Steelbird, Jindal, Seabird, Prayag, Commander, Shakti, Prayag
70.	PVC Connection Pipe	Supreme, Prince, Finolex
71.	PVC Rain Water Pipe & Fitting (SWR) Pipes	Finolex, Kisan, Kasta, Superme, Asttal, Prince, Vectus
72.	Ready Mix Concrete (RMC)	Lafarge, Alchon, ACC, L&T, Grasim, Ultratech, RMC Ind
73.	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
74.	PVC Wter storage Tank (Only ISI)	VECTUS, Water well , Plasto, Sintex, Gangotri
75.	Rust Remover	Perma, Sunanda, Dr. Fixit, Fosroc, Sika
76.	SBR Polymer	Perma, Sika, Roff Bond, Fosroc, Sika,
77.	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zolto
78.	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
79.	Stainless Steel	Jindal, Salem
80.	Stainless steel Sink with or without Draining board	Nirali, Hindware, Frankee, Neelkanih, Jaquar, Prayag
81.	Stainless steel Door/Window fittings & Fixtures	Dorma, Ozone, Hettich, Kich, Geze, dorset, Prayag
82.	Structural steel section	TATA, SAIL, RINL, JSW Steel Ltd, Jindal Steel & Power Ltd.
83.	Super plasticizer / admixture	Sika, Fosroc, Chouksey, Chemicals, BASF, Asian Paints, Berger Paints India Ltd.
84.	Tensile Fabric	Bluestone, Encon, Structure Flex
85.	Tile Adhesive	Ferrous Crete (Ferro-1122), Ardex, Endura (Gold Star), PIDILITE (Fevimate XL), WEABR (Saint-Gobin) Sika, AaThermoshield, Asian Paints, Berger Paints India Ltd.

86.	Towel Ring/ Towel Rod/ Towel Rack	Mare, Jaquar, Kolher, Grohe
87.	Tubular Seallar Window	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
88.	UPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS, Prayag
89.	Urinal, Washbasin, Orrisa Pattern W.C. Wall mounted European W.C Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kohler, Grohe
90.	Vitrified Tile, Rectified Tile	Johnson-Marbonite, Somany, Kajaria, NITCO, RAK
91.	Wall Putty	JK. BIRLA, SARAPUTTY, Asian Paints, Berger Paints India Ltd.
92.	Waste Pipe	Kamal, Viking, Jaquar
93.	Water Proofing canna (Liquid)	Pidilite, Cico, Impermo, Fosroc, BASF, ArdexEndura, Sika, Asian Paints, Berger Home Shield
94.	Water Proofing membrane- PU based	Asian Paints, Berger Home Shield
95.	White Cement	JK White, Birla White, Grasim
96.	Wood polymer composite (WPC) Door frame and shutters	Sintex, Rajshri, Plastiwood, Alstone,
97.	UPVC Windows	Fenesta, AluplastKommerling, Duraplast
98.	Road Safety Products	Shakti