



Tender Ref No.: 240 /WSN/2020-21

Date: 01/02/2021

TENDER CALL NOTICE FOR SUPPLY OF MATERIALS FOR PROTECTIVE IRRIGATION

WASSAN

NCDS Campus, Near Survey of India

Institutional Area, Gajapati Nagar

Bhubaneswar – 751013

Website: milletsodisha.com

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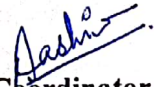


TENDER CALL NOTICE

Sealed and signed tender papers are invited from interested parties for supply of materials for protective irrigation under FAO Project. The bidders may submit the bids as per following details:-

Tender Call Notice No. & Date	Availability of Tender document		Last date and time of receipt of tender document	Date & time of opening of the Tender documents
240/WSN/2020-21 01/02/2021	From 02/02/2021	To 22/02/2021	22/02/2020 up to 5.00 PM	23/02/2021 at 11.00 AM

The undersigned reserves to cancel tender at any stage without assigning the reason thereof.


State Coordinator
WASSAN



Terms and Conditions

1. The tender paper shall be received through **Registered post/Speed post** only addressing to **The State Coordinator, WASSAN, NCDS Campus, Near Survey of India, Gajapati Nagar, Bhubaneswar, Odisha- 751013**".
2. The last date for apply for the tender is **22/02/2021** by **05.00 PM**. Any tender received after due date and time will be rejected. The tender shall be opened on **23/02/2021; 11:00 AM** at the address mentioned in point no. 1.
3. Two stage bidding system will be done. (Technical Bid (As per Annexure II) & Price bid (As per Annexure III)). The bidders are to submit their tenders in separate covered envelop for Technical Bid and Price Bid by super scribing **Cover A: Technical bid & Cover B: Price Bid** and both the sealed cover should be put into a third outer cover which should be super scribed as **"TENDER CALL NOTICE FOR SUPPLY OF MATERIALS FOR PROTECTIVE IRRIGATION VIDE REF. NO 240/WSN/2020-21 DTD. 01/02/2020"**. The Price bid of only those bidders will be opened who will qualify in the technical bid.
4. The technical specification for the materials is annexed in Annexure I. The location for the supply of the material shall be at the block headquarters of **Komna, Nuapada Odisha**.
5. The bidder has to submit an Earnest Money Deposit (EMD) for Rs. 10, 000/- (Rupees Ten Thousand) in form of Demand Draft in favour of **WASSAN** payable at **Hyderabad** from any nationalized or scheduled commercial bank. The EMD shall be refund to all the bidders except the successful L-1 bidder without any interest. The EMD of the L-1 bidder shall be released after successful completion of the supply of the item.
6. The bidder shall have valid GST registration for more than 3 years and having average annual turnover of Rs. 50 Lakhs in 3 financial year (FY: 2016-17,2017-18,2018-19). The bidder has to submit the financial statement for the financial years.
7. The bidder shall submit mandatorily photocopy of GSTN, PAN, Income-tax Return Filing Acknowledgement for FY: 2016-17, 2017-18, 2018-19 along with the Annexure II & III.
8. **The Quantity mentioned in Annexure I may vary as per requirement up to \pm 10%.**
9. Self-Undertaking that firm is not black listed by any government institution/authority as per Annexure IV.
10. Multiple options quoted for the tender shall be liable for rejection.
11. The bidder has to submit a copy of the whole tender document with signature of the authorized signatory.

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12. The Bidder has to quote the rate exclusive of all taxes (except GST), duties, freight etc. & any other statutory dues as applicable.
13. If the date of opening of the tender as per point no 2 happens to be a government holiday, strike or any emergency declared by Govt. etc., the tender will be opened in the next working day.
14. All the supportive documents attached must be numbered serially and mention the concerned page number in the technical bid wherever applicable.
15. The evaluation of price bid shall be done on the total value for the quantity mentioned in the Annexure I.
16. The item (s) shall be excluded from the price bid evaluation process for non-receipt of minimum number of participation in the tender.
17. **The under signed shall have the right to reject all or any of the bid without assigning any reason thereof during at any stage of the tender process.**
18. All disputes are subject to Bhubaneswar Jurisdiction only.

State Coordinator
WASSAN

TECHNICAL SPECIFICATION

UPVC AND GI PIPE DETAILS

SL NO	Description of Item	Diameter	Quantity*	Unit	Pressure Rating
1	UPVC Pipe	160mm	84	Nos	6kgf/cm ²
2	UPVC Pipe	140 mm	67	Nos	4kgf/cm ²
3	UPVC Pipe	110 mm	50	Nos	4kgf/cm ²
4	UPVC Pipe	90 mm	3	Nos	4kgf/cm ²
5	Galvanized Pipe	100 mm	5	Nos	class-B
6	Galvanized Pipe	25 mm	2	Nos	class-B

UPVC FITTING MATERIALS

SL NO	Description of Item	Code	Quantity*	Unit	Pressure Rating
1	140mm X 110mm Reducer	RS	12	Nos	6 kgf/cm ²
2	160mmx 140mm Reducer	RS	5	Nos	6 kgf/cm ²
3	160mm X 110mm Reducer	RS	2	Nos	6 kgf/cm ²
4	160X 160X 140mm Tee	Tee	4	Nos	6 kgf/cm ²
5	140 X 140 X 90mm Tee	Tee	9	Nos	6 kgf/cm ²
6	110 x 110 x 90mm Tee	Tee	10	Nos	6 kgf/cm ²
7	160 mm Coupling	Socket	7	Nos	6 kgf/cm ²
8	140 mm Coupling	Socket	6	Nos	6 kgf/cm ²
9	110 mm Coupling	Socket	6	Nos	6 kgf/cm ²
10	160 mm Ball valve	Valve	5	Nos	6 kgf/cm ²
11	140 mm Ball Valve	Valve	7	Nos	6 kgf/cm ²
12	110 mm Ball valve	Valve	2	Nos	6 kgf/cm ²
13	160 x 110mm FTA	FTA	1	Nos	6 kgf/cm ²
14	160 x 110 mm MTA	MTA	1	Nos	6 kgf/cm ²
15	140 MM X 1.5 inch	Service Saddle	12	Nos	6 kgf/cm ²
16	160 mm cross Y	Cross Y	2	Nos	6 kgf/cm ²
17	160 mm CROSS	Cross or double socket	3	Nos	6 kgf/cm ²
18	160 mm Elbow	Elbow	2	Nos	6 kgf/cm ²
19	140 mm Elbow	Elbow	4	Nos	6 kgf/cm ²
20	110 mm Elbow	Elbow	4	Nos	6 kgf/cm ²
21	90 mm Elbow	Elbow	18	Nos	6 kgf/cm ²
22	160 mm Long bend	Lbow	2	Nos	6 kgf/cm ²
23	140mm long bend	Lbow	3	Nos	6 kgf/cm ²
24	110 mm long bend	Lbow	3	Nos	6 kgf/cm ²
25	90mm long bend	Lbow	2	Nos	6 kgf/cm ²
26	160 mm End cap	End cap	2	Nos	6 kgf/cm ²
27	140 mm end cap	End cap	3	Nos	6 kgf/cm ²
28	110 mm end cap	End cap	13	Nos	6 kgf/cm ²
29	90 mm FTA	FTA	5	Nos	6 kgf/cm ²

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30	Solvent Cement	UPVC solvent cement	25	Litre	NA
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GI FITTING MATERIALS				
SI No	Description of Item	Code	Quantity*	Unit
1	100 mm CI NRV	NRV	1	Nos
2	100mm Sluice Valve	Sluice valve	1	Nos
3	100mm GI Short Piece	Short Piece	3	Nos
4	100 mm GI Socket	Socket	3	Nos
5	GI Steel Flanges- 8 Holes 100 mm	Flanges	20	Nos
6	100 mm GI Bend	Bend	4	Nos
7	100mm CI Foot valve	Foot valve	1	Nos
8	Flange Nut and Bolt	Nut and Bolt	80	Nos
9	Rubber Insertion Packing(1/8")	Rubber	15	KG
10	1" GI Air Release Valve	ARV	12	Nos
11	100 mm GI Nipple	Nipple	4	Nos

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Specification of UPVC Pipes and Fittings:-

- The material from which the pipe is produced shall consist substantially of unplasticized polyvinyl chloride to which may be added only those additives that are needed to facilitate the manufacture of the pipe and the production of sound and durable pipe of good surface finish, mechanical strength and opacity under conditions of uses.
- None of these additives shall be used separately or together in quantities sufficient to constitute a toxic, organoleptic or microbial growth hazard, or materially to impair the fabrication or welding properties of the pipe, or to impair its chemical and physical or mechanical properties (in particular long-term mechanical strength and impact strength) as defined in this Indian Standard.
- Test report or conformity certificate may be obtained from the resin manufacturer for the product, unless the same is tested in an independent laboratory. The frequency of this test report or conformity certificate shall be Provided.
- The mean outside diameter, outside diameter at any point and their tolerances shall be as given in Table 1 page No-5 as per IS 4985:2000.
- The permissible variation ($dem - dn$) between the mean outside diameter (dem') and the nominal outside diameter (dn) of a pipe shall be positive in the form $+x$, where x is less than or equal to the greater of the 0.3 mm or 0.1 mm.
- The wall thickness of plain pipe and the plain portion of socket ended pipe shall be as given in Table 1 . Wall thickness shall be measured by any of the two methods given in 2.1.1 and 2.1.2 of IS 12235 (Part 2). To check the conformity of the wall thickness of the pipe throughout its entire length, it is necessary to measure the wall thickness of the pipe at any point along its length. This shall be done by cutting the pipe at any point along its length and measuring the wall thickness as above. Alternatively, to avoid destruction of the pipe, non-destructive testing methods such as the use of ultrasonic wall thickness measurement gauges shall be used at any four points along the length of the pipe.
- For pipes of minimum wall thickness 6 mm or less, the permissible variation between the minimum wall thickness ($emin.$) and the wall thickness at any point (e), ($e - emin$) shall be positive in the form of $+y$, where $y = 0.1emin + 0.2mm$.
- The mean outside diameter, outside diameter at any point, and wall thickness of plumbing pipes shall be as given in Table 2 as per the IS 4985:2000.
- **Effective length (Le)** — If the length of a pipe is specified, the effective length shall not be less than that specified. The preferred effective length of pipes shall be 4, 5, or 6 m. The pipes may be supplied in other lengths where so agreed upon between the manufacturer and the purchaser.
- a) **Plain ended pipe** — For plain ended pipes, the overall length measured shall be the effective length as shown in Fig. 2(a) as per IS 4985:2000.
- b) **Socketed pipe for elastomeric sealing ring jointing**—The effective length of such pipes shall be determined by subtracting from the overall length the insertion length as shown in Fig. 2(b) as per IS 4985:2000 .
- c) **Socketed pipe for solvent cement jointing** — The effective length of such pipes shall be determined by subtracting from the overall length the socket length as shown in Fig. 2(c) as per IS 4985:2000.
- The mean inside diameter of the socket is defined as the arithmetical mean of two diameters measured at 90 degrees to each other at the mid-point of the socket length. The diameter of the socket may be decreased from the mouth to the root; for all pipe sizes, the total included angle of taper shall not exceed $0^\circ 30'$.

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- The ends of the pipes meant for solvent cementing (both plain and bell ended) shall be cleanly cut and shall be reasonably square to the axis of the pipe or may be chamfered at the plain end.
- The color of the pipes shall be light grey. Slight variations in the appearance of the colour are permitted.
- The internal and external surfaces of the pipe shall be smooth, clean and free from grooving and other defects. Slight shallow longitudinal grooves or irregularities in the pipe shall be permissible provided the wall thickness remains within the permissible limits.
- The wall of the plain pipe shall not transmit more than 0.2 percent of the visible light falling on it when tested in accordance with IS 12235 (Part 3).
- The pipes shall not have any detrimental effect on the composition of water flowing through them.
- **MARKING:-** Each pipe shall be clearly and indelibly marked in ink/paint or hot embossed on white base at intervals of not more than 3 meters, in colour as indicated in 13.1.1, or 13.1.2 as per the IS 4985:2000. The markings shall show the following:
 - a) Manufacturer's name or trade-mark,
 - b) Outside diameter,
 - c) Class of pipe and pressure rating,
 - d) Batch or lot number, and
 - e) The word plumbing in the case of plumbing pipes.
- The information according to 13.1 and 13.2 shall be marked in colour as indicated below for different classes of pipes: *Class of Pipe Colour:-* Class 1 Red, Class 2 Blue, Class 3 Green, Class 4 Brown, Class 5 Yellow, Class 6 Black.
- **BIS Certification Marking:-** Each pipe may also be marked with the Standard Mark. The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. Details of conditions under which a licence for the use of the Standard Mark may be granted to the manufacturers or the producers may be obtained from the Bureau of Indian Standards.
- The fittings materials should be as per the IS 13593:1992 Indian standard code.

Specification of Galvanized Iron Pipe and Fittings:-

- Pipe details are describe below according to the Indian standard code 1239(PART-1) 2004/2011.
- These pipes are widely used for conveying raw water & distribution of treated water in majority of rural water supply schemes, where the requirement of water is less. Mostly medium quality GI pipes are used. These pipes are cheap, light in weight and easy to handle & transport & easy to join. Their sizes vary from 15mm to 150mm.
- For each size of tube, the outside diameter is fixed by the corresponding screw thread dimension of IS 554 and therefore, the actual bore of each size of tube will vary according to the thickness.
- The ends are cleanly finished by normal deburring process. Galvanized tubes shall be capable of being bent cold, without cracking of the steel, through 90°.
- When approximate lengths are required, either for screwed and socketed tubes or for plain end tubes, each tube shall be within + 150 mm of the specified length.

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- Where tubes are required to be galvanized, the zinc coating on the tubes shall be in accordance with IS 4736. 1 Tubes, which are to be screwed, shall be galvanized before screwing.
- All pipes shall be cleanly finished and reasonably free from injurious defects. The ends shall be free from sharp edges and burrs of the pipe. The tubes shall be reasonably straight.
- The different classes of tubes shall be distinguished by colour bands, which shall be applied as follows before the tubes leave the manufacturer's works: a) Light tubes - Yellow b) Medium tubes - Blue c) Heavy tubes - Red in nature.
- Tubes having length more than 7 shall have two 75 mm bands, one near each end. All other lengths shall have one 75 mm band.
- The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made there under. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.
- Maximum Permissible Pressure and Temperature for Tubes with Steel Couplings or Screwed and Socketed Joints should be as per IS 1239:2004 .
- High strength , corrosion resistance , High toughness and deformability Thickness of each pipe should be 0.8mm to 1.5 mm which ever is available .
- BIS Certification Marking :- The pipes may also be marked with the Standard Mark, details for which may be obtained from the Bureau of Indian Standards. The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

The materials should be supplied with the following terms and conditions:-

- a) The material should be reached at the destination point within 15 days after receiving of supply order .
- b) The UPVC , GI Pipes and fittings should be supplied as per the specification describe above . Material specification and Test Report along with specification of each pipe should clearly mention in the bid paper to verify the products as per the standards.
- c) The UPVC and GI pipes and Fittings should be manufactured within six month and should have a sufficient warrantee period.
- d) In case of any manufacturing defects materials will be returned to the supplier and fresh materials should be substitute.
- e) The transportation cost should be included in the tender paper as per the government norms.
- f) The upvc and GI pipes and fittings should be referred as nominal outer dimension of pipes and fittings .
- g) Length of each pipe should be 6 meter or 20 feet .
- h) Pipe should be one ended socket pipe with solvent cement jointing .
- i) Pressure rating of different pipes should be as per the specification given in the tender paper.
- j) Pipe should be confirming to indian standard IS4985:2000 and IS 1239:2004 .
- k) Each pipe should be consisting of ISI mark symbol and pressure rating should be Kg/cm² or MPa .

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Annexure II

Technical Bid			Page Reference
Particulars			
Name of the Bidder			
Constitution of the Business	Individual/Firm/Company/Other		
Name of the Business (if any)			
PAN			
GSTN			
Communication Address			
City		District	
State		Pin	
Email ID			
Mobile			
Average Annual Turnover for 3 Years			
Undertaking of Non-Blacklisting by any Govt. Dept./Institution (As per Annexure II)		Yes/No	
Signed Copy of the Tender Document with Seal		Yes/No	
EMD of Rs. 10000/-		Yes/No	
Demand Draft No.		Date	

Declaration

I/We hereby certify that the terms & conditions, specification etc. given in the tender notice have been read carefully and acceptable to me/us and that the information furnished above is full correct to the best of my/our knowledge. I/We understand that in case of any deviation in the above statement at any stage, the firm/agency will be blacklisted and will not have any dealing with in future.

Place:

Date:

(Signature of the Authorized Signatory)

Name:

Sl No	Description of Item	Unit	Price Per Unit	
			In Amount	In Words
I	II	III	IV	V
1	UPVC Pipe	Nos		
2	UPVC Pipe	Nos		
3	UPVC Pipe	Nos		
4	UPVC Pipe	Nos		
5	Galvanized Pipe	Nos		
6	Galvanized Pipe	Nos		
7	140mm X 110mm Reducer	Nos		
8	160mmx 140mm Reducer	Nos		
9	160mm X 110mm Reducer	Nos		
10	160X 160X 140mm Tee	Nos		
11	140 X 140 X 90mm Tee	Nos		
12	110 x 110 x 90mm Tee	Nos		
13	160 mm Coupling	Nos		
14	140 mm Coupling	Nos		
15	110 mm Coupling	Nos		
16	160 mm Ball valve	Nos		
17	140 mm Ball Valve	Nos		
18	110 mm Ball valve	Nos		
19	160 x 110mm FTA	Nos		
20	160 x 110 mm MTA	Nos		
21	140 MM X 1.5 inch	Nos		
22	160 mm cross Y	Nos		
23	160 mm CROSS	Nos		
24	160 mm Elbow	Nos		
25	140 mm Elbow	Nos		
26	110 mm Elbow	Nos		
27	90 mm Elbow	Nos		
28	160 mm Long bend	Nos		
29	140 mm long bend	Nos		

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SI No	Description of Item	Unit	Price Per Unit	
			In Amount	In Words
I	II	III	IV	V
30	110 mm long bend	Nos		
31	90mm long bend	Nos		
32	160 mm End cap	Nos		
33	140 mm end cap	Nos		
34	110 mm end cap	Nos		
35	90 mm FTA	Nos		
36	Solvent Cement	Litre		
37	100 mm CI NRV	Nos		
38	100mm Sluice Valve	Nos		
39	100mm GI Short Piece	Nos		
40	100 mm GI Socket	Nos		
41	GI Steel Flanges- 8 Holes 100 mm	Nos		
42	100 mm GI Bend	Nos		
43	100mm CI Foot valve	Nos		
44	Flange Nut and Bolt	Nos		
45	Rubber Insertion Packing(1/8")	KG		
46	1" GI Air Release Valve	Nos		
47	100 mm GI Nipple	Nos		

Place:

(Signature of the Authorized Signatory)

Date:

Name:

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Annexure IV

Undertaking not being Blacklisted

It is hereby certified that, I/We _____ representing _____ (Name of the Organization) are not blacklisted by any ministries/Departments of Central or State Govt., any international agencies, funding agencies etc. as on the date.

Place:

Date:

(Signature of the Authorized Signatory)

Name: _____

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