

Buyers Specific Additional Terms & Conditions in addition to GeM GTC

Item Name: Dirt Catcher (Y-Strainer)

Projects: Raigarh TPP-II

A. SCOPE OF ENQUIRY

E-bids on GeM are invited from bidders for the supply of **Dirt Catcher (Y-Strainer-NB 40)** for **Raigarh TPP Project**, as per requirement mentioned below:

Sl. No.	Project	Material Code & Item Description	Total Quantity	LOT Quantity	Date for Supply Completion
1	Adani Power Limited, Village: Chhote Bhandar, PO: Bade Bhandar, Tehsil: Pussore Raigarh 496100, Chhattisgarh	Material Code W90313166048 Dirt Catcher, NB 40 As per var-06 of standard ST46003	02 Nos.	01 No. (Lot-1)	04.03.2026
				01 No. (Lot-2)	04.07.2026

B. Buyers Specific Additional Terms & Conditions in addition to GTC

Sl. No.	Terms	Description	Your confirmation
1.	Confirmation to compliance of GTC on GeM 4.0 (Ver-1.15)	Acceptance of General terms and conditions on GeM 4.0 (Version 1.15).	
2.	Prices Basis	Prices should be quoted on F.O.R. Destination basis i.e. up to RAIGARH TPP Project including freight, packing & forwarding charges, GST etc. Please mention here the applicable GST rate included in the price quoted by you.	
3.	Evaluation criteria and currency	Evaluation will be done on the basis of total landed cost to BHEL, with cost involved for delivery up to BHEL RAIGARH project site (considering material cost, taxes & duties, Freight etc. & considering ITC). Bidders to insure applicability of ITC on Gem portal. The evaluation currency for this tender shall be INR.	
4.	Transit Insurance	Transit insurance shall be arranged by BHEL and not to be included in the prices.	
5.	Pre-Qualification Requirement	Please note that procurement shall be done only from the vendors who full-fill the PQR requirement and accepted by our engineering. Bidders are required to fill the required data along with supporting document for BHEL review and approval. Offers of only those vendors will be considered who qualify the PQR before opening of price-bids and approved by Customer.	
6.	Payment Terms	Payments shall be made to the Seller within 90 days of (PRC) after issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills. For Micro/ small & Medium (covered under MSME Act), payment will be made within 45 days & 60 days respectively from PRC after issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills. Bidders to provide MSME / UDYAM certificate for payment schedule finalization.	

7.	Technical Requirements	Material specification as per Spec ST ST46003 Rev 10, Var-VI only without any deviation.	
		Painting scheme: Primer paint: Epoxy base Zinc rich primer paint: 1 coat of 75 DFT, Intermediate paint : Epoxy TiO2 Polyamide cured paint : 1 coat of 100 DFT and Finish with Aliphatic Acrylic Polyurethane Finish paint: 1 coat of 50 DFT. Total DFT 225	
8.	Quality Requirements	Kindly submit endorsed quality plan “QA_BE_QP_002 Rev 01” along with enquiry. Please confirm that inspection shall be done by BHEL TPIA as per BHEL approved quality plan & drawings. Please note that BHEL will pay directly to BHEL’s nominated TPI.	
9.	Manufacturing clearance	In case of ordering, vendor has to take manufacturing clearance from BHEL before starting manufacturing of material. Kindly confirm.	
10.	Manufacturing Period	Kindly quote your minimum delivery period in no. of weeks/months From the date of Manufacturing Clearance.....	
11.	Document submission for approval from BHEL	Drawings/Data sheets/Documents/ Quality Plan etc. as called for in the specifications shall be submitted for approval to BHEL within 30 days of purchase order. Approved documents/QP are to be followed by the supplier without any price implication. Any delay in delivery on account of late submission of drawings/data sheets/QAP/documents shall be to vendors account. BHEL will arrange the approval of the drawings/data sheets/ documents within 30 days of their receipt provided those are complete in all respect. Delays in approval shall be dealt on merit basis.	
12.	Liquidated Damages	If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.	
		The date of LR (Lorry Receipt) would be treated as the date of delivery for penalty purposes	
		In case of any deviation to the above penalty clause, BHEL reserves the right to load the offers to the extent to which it is not agreed by vendors (at offered value).	
13.	MDCC clause	Please note that, material shall be dispatched only after issue of Material dispatch clearance certificate (MDCC) end customer. For issue of MDCC, vendors are required to submit all test certificates (TC) and inspection report of third party (IR) to BHEL. After review & acceptance of the quality document, BHEL will forward the same to end customer for issuance of MDCC. Material shall be dispatched within 7 days from the the date of issuance of MDCC.	
14.	Reverse Auction	Bid to RA will be conducted as per GeM GTC / NIT.	
15.	Packing	Following documents to be enclosed with despatch documents- 1. Vendor to insure proper and sturdy packing suitable for handling during transportation up to site in healthy condition. 2. 2 copy of O&M Manual to be kept in packing box. 3. Test Certificates & Guarantee Certificates required.	

		<p>4. Items nomenclature on vendor packing list to be exactly same as on PO.</p> <p>5. VENDOR TO KEEP TWO COPIES OF O&M MANUAL INSIDE THE DISPATCH BOX OF DIRT CATCHER AND ALSO MENTION IT IN THE VENDOR'S SHIPPING LIST.</p>	
16.	Guarantee	<p>Kindly confirm that all equipment shall be guaranteed for a minimum period of 36 months from the date of supply or 24 months from the date of commissioning, whichever is earlier. Buyer to submit guarantee certificate mentioning above guarantee period.</p> <p>Please note that offers with guarantee period lesser than above mentioned guarantee period may result in rejection of the offer.</p>	
17.	Arbitration:	<p>In case of any dispute arising out of as in connection with this contract, the same shall be referred to arbitration under Arbitration & Conciliation Act 1996 of a sole arbitrator who shall be appointed by mutual consent of the parties. The seat & venue of arbitration shall be Haridwar.</p> <p>The proceedings shall be conducted in English. The Governing law of contract shall be the substantive law of India.</p>	
18.	Breach of contract, Remedies and Termination	<p>Please note that in case of breach of contract, 10% of the contract value shall be recovered from financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor. Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract. Please confirm.</p>	
19.	Firm prices	<p>Price will remain firm and fixed during entire execution of tender/supply.</p>	
20.	Bidder Contact details	<p>Contact details of your representative: Mobile no. & Email id (minimum 2 person)</p> <ol style="list-style-type: none"> 1. 2. 	

Please note: During techno-commercial clarification, vendor to provide required documents/ clarification within 2-3 days of request. Such vendor Offer may be rejected in case of delay or un-complete documents submission.

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN											
BHEL	VENDOR'S NAME	ITEM	DIRT CATCHER	QP NO.	QA/BE/QP/002									
				DATED & REV	23.04.2018 01									
		DRG. NO.		AS PER PO										
		SPEC.		ST 46003										
		REV		AS PER PO								Page 1 of 1		
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY			REMARKS
										D	M	B	N	
1	2	3		4	5	6	7	8	9			10		11

1.0 RAW MATERIAL														
1.1	BODY	CHEMICAL ANALYSIS	MAJOR	CHEMICAL	1/HEAT	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	TC	✓	P	V			
1.2	MESH	SIZE	MAJOR	MEASUREMENT	100%	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	IR	✓	P	V		FROM RECOGNIZED TEST HOUSE	
		CHEMICAL ANALYSIS	MAJOR	CHEMICAL	1/HEAT	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	TC	✓	P	V			
2.0 IN- PROCESS INSPECTION														
2.1	FLANGES (MACHINING)	DIMENSION	MAJOR	MEASUREMENT	100%	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	IR	-	P	-			
		SURFACE FINISH	MAJOR	VISUAL	100%	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	IR	-	P	-			
3.0 FINAL INSPECTION														
3.1	ASSEMBLY	HYDRAULIC TEST	MAJOR	HYDRAULIC	100%	BHEL APPD DWG/ BHEL APPD DATASHEET	NO LEAKAGE	TC	✓	P	W			
3.2		OVERALL DIMENSIONS	MAJOR	MEASUREMENT	100%	BHEL APPD DWG/ BHEL APPD DATASHEET	BHEL APPD DWG/ BHEL APPD DATASHEET	Dim Report	✓	P	W			
3.3	PRESERVATION AND PACKING	-	MAJOR	VISUAL	100%	BHEL SPEC	BHEL SPEC	-	-	P	-			

		LEGEND: RECORDS IDENTIFIED WITH '✓' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION.	FOR CUSTOMER USE	
MANUFACTURER/ SUBCONTRACTOR		M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION		APPROVED BY
		ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		



BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR
STE-TL ENGINEERING DEPARTMENT

**PRE-QUALIFICATION REQUIREMENT
DIRT CATCHER**

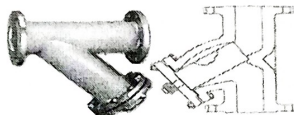
DOCUMENT NO.
STE-TL/DC/PQR/2024001
Rev:00 Dt:05.02.2024

The Pre- Qualification Requirements pertaining to Engineering are as follows:

1. The Bidder should have successfully designed, manufactured, tested & supplied of DIRT CATCHER (Y-STRAINER) for water/oil application. Vendor should have supplied one (1) no. in at least one power/process plants in last seven (7) years from the date of issuance of enquiry with following technical details mentioned in table-1.

Table-1

Type:	Y - STRAINER
Size Range:	NB25 & above
Rating:	CL150 & above
Body Material	Carbon Steel & above grade

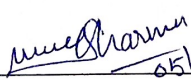
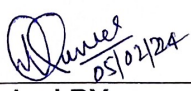
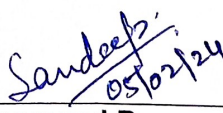


2. The Bidder shall furnish the following documents in line with criteria given in above **sl.no.1**.
 - a. Executed Purchase order (P.O.) which should not be older than seven (7) years from the date of issuance of enquiry.
 - b. Dispatch document w.r.t above executed P. O. i.e. Approved GA drawing, Delivery challan, Tax invoice, Inspection report & Lorry way bill for our review.

Note: -

1. BHEL reserves the right to verify the information submitted by vendor. Submission of false/incorrect information shall lead to rejection of offer and shall be taken seriously by BHEL.
2. BHEL reserves the right to ask for more pertinent information /documents / clarifications. Vendor shall provide this information to BHEL in a timely manner so that project schedule doesn't hamper.
3. All the documents furnished to BHEL shall be in English language only. If the documents are not in English, then they must be accompanied with duly certified English translations of the same.

----End of PQR----

 05/02/24	 05/02/24	 05/02/24
Prepared By SUNIL KR. SHARMA Engineer/STE-TL	Checked BY NILESH KUMAR Manager/STE-TL	Approved By S.K. SONKAR DGM/STE-TL

Page 1 of 1

PAINTING SCHEME

DOC. NO.- 10880-ENGG-N001A

Painting Scheme

Paint (Coat - air less)	Paint Type	No. of coat	DFT*
Primer Paint	: Epoxy base Zinc rich primer paint (IS:14946)	1 Coat	75
Intermediate Paint	: Epoxy MiO Polyamide Cured Paint	1 Coat	100
Finish (Final) Paint	: Aliphatic Acrylic Polyurethane Finish paint	1 Coats	50
		Total DFT	225 (microns)



Stainless Steel Surfaces shall not be painted in general.
The painting environment shall be considered as C-4 as per ISO 12944.

SHADE AS PER RAL/IS:5 IS GREY 9002



**SUPERSEDES
INVENTORY NO.**

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SIGN & DATE

INVENTORY NO.

PURCHASE SPECIFICATION FOR DIRT CATCHER.

1. **SCOPE:** The specification covers the Y-type dirt catcher employed to protect the spray nozzle at downstream.


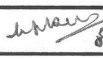

2. TECHNICAL DATA:

	VAR. I	VAR. II	VAR. III	VAR. IV	VAR. V	VAR. VI ✓
SIZE	NB 25	NB 40	NB 40	NB 65	NB 40	NB 40
PRESSURE RATING	40 ata	64 ata	40 ata	40 ata	64 ata	64 ata
Medium FLOW RATE	Condensate 0.88 kg/sec.	Condensate 2.08 kg/sec.	Condensate 2.08 kg/sec.	Condensate 3.1 kg/sec.	Condensate 2.8 kg/sec.	Condensate 3.33 kg/sec.
END CONN. FLANGE ALONG WITH COUNTER FLANGE	DIN 2635	DIN 2636	DIN 2635	DIN 2635	DIN 2636	DIN 2636
APERTURE SIZE	Ø 0.6 mm	Ø 0.6 mm	Ø 0.6 mm	Ø 1.2 mm	Ø 0.6 mm	Ø 0.6 mm
WIRE DIA	Ø 0.4 mm	Ø 0.4 mm	Ø 0.4 mm	Ø 0.6 mm	Ø 0.4 mm	Ø 0.4 mm

3. MATERIAL:

- 3.1 Body with integrally cast flanges along with counter flange -Carbon steel ASTMA216Gr.WCB**
- 3.2 Wire mesh - Stainless steel , AISI 321**
- 3.3 Bolts and nuts – Bolts- 8.8, IS 1367 & Nuts- 8, IS 1367 as per IS 1364**
- 3.4 Washer - IS:3063,Mat:- SPR ST , IS 4072**
- 3.5 Gasket – Grafoil Sheet /Grafoil filled spiral wound as per DIN2690 , thickness 3mm**

				NAME	SIGNATURE & DATE
TSX	B.CHODHARY	<i>B Chodhary</i> 16.12.13	WORKED BY	SUDHIR K. GAUTAM	<i>Sudhir</i> 21/11/13
QAX	VIBHUTI SHAH	<i>Vibhuti</i> 14/01/14	CHECKED BY	UTKARSH GOGIA	<i>Utkarsh</i> 21/11/13
AGREED DEPTT.	NAME	DATE & SIGNATURE	SUPERVISED BY	ANUJ JAIN	<i>Anuj</i> 21/11/13
			APPROVED :	(A.B.GUPTA) AGM, PED	<i>A.B. Gupta</i> Gp.No 8.20
REV.NO. 10	SUPERSEDES		PREPARED : PED	ISSUED : TSX	DATE : 18.12.81
Dt. 08/01/13					

SIGN & DATE		PRODUCT STANDARD (PROJECT ENGINEERING DEPARTMENT)				ST46003		
						Page 2 of 5		
SUPERSEDES INVENTOR V.NO.		4. <u>END CONNECTIONS:</u> Dirt Catcher end connections shall be provided by Vendor which includes Flanges, counter flanges, Gaskets, bolt, nuts and washer, all shall be as per Technical Data table given above.						
		5. <u>DOCUMENTS:</u> A. <u>Documents required along with the tender:</u> The tenderer shall submit the following documents/along with the offer. If any information/documents listed below are missing/ incomplete; the offer shall not be considered by BHEL. <ol style="list-style-type: none"> 1. Cross sectional drg. of the dirt catcher giving part nos. , description, part material overall dimensions, space required and direction for removal of element & direction of flow. 2. End connection details. 3. Filled in data sheet-1 4. Quality check programme. 5. List of commissioning spares / spare for operation of 3 years and 5 years. 6. Any special requirement. <p>The document submitted along with tender and approved by BHEL shall be the basis of the order and no changes shall be made without approval from BHEL.</p> <p>Examination and approval of documents submitted along with the tender by BHEL shall not release the manufacturer and his sub-contractors of their responsibility under the contract.</p> B. <u>Documents after placement of the order:</u> Supplier shall submit the documents (as given in Clause 5, A.) with Project name & P.O. number in the title block. <ol style="list-style-type: none"> 1. 10 copies of finalized contract drawing incorporating BHEL comments if any for each station – 8 weeks. 2. 10 copies of Operation / Maintenance / erection Instructions for each station – 12 weeks. 3. 2 copies of Operation / Maintenance / erection Instructions along with dispatch box & soft copies shall be made available to BHEL. 4. Instruction on conservation and deconservation – 12 weeks. 						
6. <u>INSPECTION & TESTS:</u>								
Inventory No.	P-5398 16/11/13	REV. NO. 10				WORKED BY	UTKARSH GOGIA	 8/11/13
						CHECKED BY	ANU J JAIN	 8/11/13



PRODUCT STANDARD

(PROJECT ENGINEERING DEPARTMENT)

ST46003

Page 3 of 5

SUPERSEDES
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DATE
&
SIGNATURE

INVENTORY NO.

6.1 Hydraulic Test:

Hydraulic test shall be carried out on each body using water containing a suitable inhibitor to prevent rusting of the body & internals after test. No leakage shall occur during the test. After the hydraulic test the internals shall be wiped clean & dry. With reference from ANSI/API6D test pressure will be 1.5 times the nominal pressure for duration of 2 minutes. BHEL or BHEL's customer shall have the right to witness the test. However the test certificate shall be furnished to BHEL. The test certificate should specifically mentioned the test pressure & duration of test along with following information:

1. Tag No.
2. Size
3. Name of manufacturer
4. Plant order No.
5. Date of testing.

6.2 Test Certificate of mesh size from recognized test house.

7. IDENTIFICATION:

Following information should be engraved on a metal sheet properly fixed at a convenient location of the body or body cover. All inscriptions shall be in two languages i.e. Hindi & English, with Hindi on top.

Direction of flow should be engraved on the body.

- | | | |
|-------------|---------------------|--------------------------|
| (1) Tag No. | (3) Pressure rating | (5) Year of manufacturer |
| (2) Size | (4) Manufacturer | (6) P.O. No. |

8. PROTECTION FOR DESPATCH:

- 8.1 Ends shall be protected from external damage and sealed against the ingress of dirt.
- 8.2 A wooden blank should be bolted to the flanges using a minimum of four bolts.
- 8.3 To prevent any effect of salt laden atmosphere high humidity & moisture during shipment & storage. The dirt catcher and other accessories shall be properly conserved suitable to last for 2 years & covered by polythene sheet before packing in the wooden box.

9. GUARANTEE:

The supplier shall guarantee trouble free and satisfactory operation of the equipment for a period of 2 years after installation and commissioning or a period of 36 months from the day the equipment leaves the supplier's works whichever is earlier.

If during commissioning / erection at site any deficiency in a part is detected, BHEL site representative shall prepare the assessment report and a copy of the same shall be forwarded to the supplier. The supplier shall replace / rectify the concerned items free of charge.

The supplier if he so desires may depute his representative to site at his own cost otherwise the findings of BHEL representative shall be final and binding on the supplier of the Dirt catcher.

REV. NO.

10

WORKED BY

UTKARSH
GODIYA

CHECKED BY

ANUS
JAIN

8/11/13

8/11/13



PRODUCT STANDARD
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ST46003

Page 4 of 5

SIGN & DATE

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SIGN & DATE

INVENTORY NO.

10. SPARES:

The supplier shall quote item wise price of recommended spares for 3 years & 5 years operation respectively. Vendor to supply 2 sets of extra gaskets in spare as per clause no. 3.5.

11. QUALITY CHECK PLAN:

The supplier shall indicate his production plan & BHEL shall indicate the check hold points for stage checking. BHEL / BHEL's costumer shall have right to witness the checking.

12. STANDARDS:

Wherever standards have been quoted the latest issue and amendments shall apply.

13. GENERAL:

The tenderer can make suitable offers even if there are minor deviations which do not affect the efficient functioning of the equipment. However the deviation must be clearly spelt out. Suppliers shall also fill the Data sheet-1 and submit the same along with the offer.

The offer may not be considered if all the technical particulars and information called for in the specification are not submitted along with the offer.

NOTE: - All dimension are given in mm except otherwise specified.

REV. NO.

10

WORKED BY

UTKASH
GOGIA

CHECKED BY

ANUS
JAIN

8/1/13.

8/1/13



PRODUCT STANDARD

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ST46003

Page 5 of 5

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SIGN & DATE

INVENTORY NO.

REV. NO.

10

WORKED BY

UTKARSH
GOHIL

CHECKED BY

ANUS
JAIN

DATA SHEET--1

Variant No-

1. Nominal pressure rating
2. End connection to DIN 2635 / DIN 2636
3. Nominal size
4. Pressure drop. A) Normal Operation
B) 50% choke condition
5. Hole dia.
6. Wire dia.
7. Gross filtering area
8. Net filtering area
9. Documents as envisaged in clause No. 5
10. Test Certificates
- 10.1 Hydraulic Testing of body
- 11.2 Material composition & Mech.
Properties of following parts
- 11.2.1 Body
- 11.2.2 Cover / Bonnet
- 11.2.3 Mesh
- 11.2.4 Seat
- 11.2.5 Seat ring
12. Mesh size from recognized test house.
13. Dirt holding capacity

Yes / No

Yes / No

Yes / No

Yes/No

8/11/13

8/11/13