

# Bharat Heavy Electricals Limited, Jhansi

Department: Township Civil

Tender Enquiry No: TCX/TW/20/14 date:-10.02.2021 TD: 2020-21, Rev- 00



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No.: **TCX/TW/20/14**

For

**“(Name of Work: Mosquito & General Pest Control in Township and Factory Area)”**

**Contact Person:**

Name: Anshuman Sharma

Designation: Dy. Mgr (CMM)

Email: anshuman.sharma@bhel.in

PHONE: 0510-2412784

Tender Due Date: 05.03.2021 at 13:15 Hrs  
Tender Opening Date: 05.03.2021 at 14:00 Hrs

Rev .....	Short details of revision (In case of revision in tender document, otherwise NA
Date: ....	

**Township Civil Department**  
**BHEL, PO: BHEL, Jhansi 284120 (UP)**

## DETAILS OF TENDER DOCUMENT

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# Bharat Heavy Electricals Limited, Jhansi

Department: Township Civil

Tender Enquiry No: TCX/TW/20/14 date:-10.02.2021 TD: 2020-21, Rev- 00

BHEL JHANSI is in the process of finalizing the Works Contract for **Name of Work: Mosquito & General Pest Control in Township and Factory Area .**

The duly filled in Technical and Price / Rate bids (Annexure I and M, separately) along with the instructions to the tenders, Contractor's Obligations, General Terms and Conditions with the signature of the tender on all the pages and complete in all respects super scribed as "Quotation for Tender No. TCX/TW/20/14 DATED 10.02.2021" should reach us in a sealed cover on or before **05.03.2021 (13.15 hours)** through Registered / Speed post or the same may be dropped in the tender box available at the following address:

To  
Tender Box  
CISF Control Room/Office  
Administrative Building  
Bharat Heavy Electricals Limited  
Jhansi-284 120. UP

- Note:** 1) Dropping of tender in the Tender Box within schedule time and date is the responsibility of the bidder.  
2) Technical bid and price bid should be submitted in separate sealed envelopes, in case the bids founds in one single envelope then the "bids" are liable to be rejected.

## Tender Documents

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## NOTICE FOR INVITING TENDER

S. No	Particulars	Details
1	Brief Description of work	Name of Work: Mosquito & General Pest Control in Township and Factory Area.
2	Tender Evaluation Criteria	(QR as per Annexure C), Awarding on overall L1 basis
3	Duration of Contract	12 month
4	Last date of Sale of the Tender	Upto 11:00 hrs on 05.03.2021
5	Last date of receipt of the Tender	Upto 13:15 hrs on 05.03.2021
6	Date of opening of Techno – Commercial Bid.	14:00 hrs on 05.03.2021
7	Address for submitting the Tender	Tender Box CISF Control Room/Office Administrative Building
8	Earnest Money Deposit * (EMD)	Rs. 7348.00
9	Cost of Tender	Nil
10	Validity of Offer	90 Days
11	Security Deposit	As per Annexure G

### **Note:**

The EMD may be accepted only in the following forms:

(i) Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL account details: Bank Name:- SBI; A/c NO. : - 10670828866; ifs Code:- SBIN0003807

A/c Holder Name:- BHARAT HEAVY ELECTRICALS LIMITED

The Tender cost may be accepted either by credited through RTGS/NEFT/EFT/IMPS/ECS or deposited by pos machine in cash section in BHEL ADM Building. The contractors may physically visit the work place before quoting their rates. For relevant details please visit our website “[www.bhel.com](http://www.bhel.com)” & [www.eprocure.gov.in](http://www.eprocure.gov.in)

## WORK SPECIFICATION/SCOPE OF WORK

### DETAILS OF WORK

S.No.	Description of Items	Unit	Qty. [a]
01	Indoor spraying in the quarters, official building and public building for control of mosquitoes and general pest with chemical listed below, once every month by spraying machine in factory & township campus area <b>as per schedule "F1, F2, F3". Frequency &amp; months as per schedule "F4" S.no.1</b>	PER MONTH	12
	Cyphenophrin-5 EC with concentration of 20ml per liter of water. <b>OR</b>		
	Lenbeacyhalothrine-10 WP with concentration of 5 gms per liter of water. <b>OR</b>		
	Delta Methrine-2.5 SC with concentration of 10ml per liter of water.		
02	Out door anti adult fogging operation around the residence, other buildings, parks, green belts with fogging machines once in a month to kill adult mosquitoes in the all areas with chemical listed below. <b>Area as per schedule "F1, F2, F3". Frequency &amp; months as per schedule "F4" S.no.2</b>	PER MONTH	12
	Melathium technical with concentration of 50ml per liter of diesel. <b>OR</b>		
	Pyrethrum - 2.5% with concentration of 50ml per liter of diesel. <b>OR</b>		
	Cyphenophrin-5 EC with concentration of 5ml per liter of diesel.		
03	Anti-larva operation at all stagnant water pools, ponds, nallahs and open areas which are identified as source for mosquitoes breeding in the inner township and upto 01 kilometre outside the township boundary wall. <b>The operation will be carried out every week with chemical listed below as per schedule "F5". Frequency &amp; months as per schedule "F4" S.no.3</b>	PER MONTH	11
	Vecatobac-12 AS with concentration of 10ml per liter of water (under general mosquito larva condition). <b>OR</b>		
	"MLO" oil (under heavy mosquito larva condition).		
04	Cockroach, silver fish, bad bugs treatment by spraying suitable insecticide / pesticide in all the manhole / gully chamber outside and inside the township and factory area buildings with frequency once every 03 months (Quarterly) with chemical listed below. <b>Frequency &amp; months as per schedule "F4" S.no.4</b>	PER MONTH	12
	Delta Methrine-2.5 SC with concentration of 10ml per liter of water for out side the buildings and		
	Pest seal oil - 2% <b>OR</b>		
	Cockroach Gel - 200 rooms with 30ml gel injection pack.		
05	Directing and injecting chemicals emulsion for post constructional anti-termite treatment :- Treatment at points of contact of wood work by inimical emulsion chlorpyrifos (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6.0mm dia holes at downward	SQM	500

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	angle of 45 degree at 150mm center to center and sealing the same with chemical listed below.		
	Inibatlotrid - 30.5 SC with concentration of 2ml per liter of water. <b>OR</b>		
	Termiseal oil		
<b>06</b>	Removing of bees hives (chatta) by spraying appropriate pesticide and removing from its position and this shall be followed by weekly spraying on the area to prevent re-formation of bee hives. The hives more than 10cm shall only be counted hives less than 10cm shall be ignored. However contractor shall have remove less than 10cm alongwith the larger.	NOS.	100
	Chypropyriphose <b>OR</b>		
	Delta Methrine-2.5 SC.		
<b>07</b>	Rodent control treatment in required area.	PER 100 SQM	5000
	Brolobialone - 0.005% cake with trouble gum blue gel in rodobox under lock & key condition.		

## Area of Factory for Indoor spraying :

- (i) Factory Indoor spraying area = 21300 Sqm approx (as per **schedule "F1"**)

## Area of Township for indoor spraying :

- (i) Public building = 8630 Sqm approx (as per **schedule "F2"**)  
(ii) Residential area = 53740 Sqm approx (as per **schedule "F3"**)  
(iii) Outdoor fogging = Perimeter of all residential buildings

## SCHEDULE " F1 "

### List of Buildings in Factory area for Anti-Mosquito Treatment for In-door Spraying.

**Note :** Spraying is to be done only in the area where office or toilet & canteen is situated. Workshops & stores are to be excluded.

Sl. No.	Description of Area	Qty (No.)	Area (Sq m)
1	Factory Pump House office	1	12.00
2	GM Loco motive office/ 3 Site Office & Toilet, Porch, Corridor, Conference room	1	1277.80
3	Loco Sub Station Store, GF & FF (Near Diesel shop), Toilet, Deisel Loco / BCM Office, Store	1	468.60
4	Loco Bogie Shop Office	1	33.25
5	Loco Testing Office-I, Office-II, Toilet	1	49.71
6	Jayanti Bhawan GF & FF (East & West), Toilet	2	1241.76
7	CDC Office Near Jayanti Bhawan	1	23.22
8	Boiler house Office, Toilet & Check Post	1	37.08
9	WE & X Office Sub Station IV near Compressor House, Machine Spare-Parts Store-I & II, Toilet, Office	1	496.56
10	Factory Civil Office- I & II	1	138.81
11	BMKS Office, Toilet	1	40.00

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12	Main Store Annexee GF & FF, Main Store CNC Control Room, Check Post	1	265.00
13	Time Office, First Aid CISF Pass Section & Transport Pool etc.	1	189.75
14	Main Gate CISF-DC Office & Control Room	1	270.25
15	Nursery Office	2	32.00
16	Bay - 0,1 & 2 Fabrication Annexee GF & FF, Toilet, Office GF & FF, Office & Bus Duct Toilet, Bay - 2 Fabrication, Toilets (Near Shot Blast)	1	1133.52
17	Bay - 3 & 4 Annexee, Office & Toilet, Store, Tool Store, Machine Shop Office	1	667.20
18	Bay - 4 + 9 Office	2	112.74
19	Bay - 5 Office (Dry Type), Toilets, CNC Room, Project (WE&X) Store & Toilet	1	524.11
20	Bay - 6 Office, Toilets	1	122.00
21	Bay - 7 Office, Copper Store, Toilets, Bay - 7 / 9 Toilets	1	293.00
22	WE & X Crane Maint Office	1	128.00
23	CDC Office	1	24.00
24	Bay 7 / 8 Store (Office)	2	20.00
25	Maint Shop, Erection Shop (WE & X) Near Sub Station-I, Control Room Near MG House GF & FF, MG House Offices	1	150.00
26	CDC Ware House GF & FF, Toilet-I & II	1	255.50
27	Bay-8 Office, Toilet, Shop Store, Office, V-Trfr Office, Testing, Instru. Testing	1	200.13
28	Bay-9 SPC Office, Water cooler room, Store office 1, 2 & 3, Vapour face office, Quality office, Toilet, Shipping office, Impulse Testing	1	310.80
29	TRE Annexee GF & FF	1	4576.00
30	Material Gate Weigh-Bridge-1 & 2 Office, CISF Office	1	99.00
31	Fire Station & Telephone Exchange / Electroninc Lab Building	1	491.50
32	Canteen, Toilet, Cooking Hall 1 & 2	1	1788.78
33	Scrap Yard Office, CISF Check Post	1	55.12
34	Transport Auto Office, Store, Fire Station Garrage	1	120.00
35	HRD Building GF & FF, Hall	1	615.42
36	ADM Building GF & FF, Sub Station, Opening	1	3788.60
37	CISF Check Post, Quarter Guards, Store, Barber / Washerman shop, Barracks-1, 2, 3, 4, 5 & 6 and Toilets, Kitchen, Canteen, Check Post	1	1250.16
<b>Total</b>			<b>21301.37</b>

## SCHEDULE " F2 "

### List of Public Buildings in Township area for Anti-Mosquito Treatment for In-door Spraying.

Sl. No.	Description of Area	Quantity (No.)			Unit Area (Sq m)	Total Area (Sq m)
		Sect-I	Sect-II	Total		
1	A	BHEL House CISF Gate Security	1	0	1.00	12.00
2	A	Guest House rooms	1	0	1.00	1000.00
	B	Guest House New Block rooms	1	0	1.00	240.00
3	A	Pump House - II	1	0	1.00	30.00
	B	Sports Room	1	0	1.00	20.00
4	A	Bundela Club (TV, Library, Office & Billiard room)	1	0	1.00	500.00
5	A	Township Gate Security Office Gate no. - 6	1	0	1.00	15.00
6	A	Barat Ghar - II	1	0	1.00	150.00
7	A	Township Gate Security Office Gate no. - 8	0	1	1.00	10.00
8	A	Township Gate Security Office Main Gate no. - 1	1	0	1.00	15.00
9	A	Township Nursery	1	0	1.00	40.00
10	A	Pump House - I	1	0	1.00	75.00
11	A	Police Chowkee	1	0	1.00	75.00
	B	Police Cowkee Residences	1	0	1.00	125.00
12	A	Haat Shopping Center no. - III	1	0	1.00	80.00
13	A	Gimnasium Hall	1	0	1.00	100.00
14	A	Squash Court	1	0	1.00	100.00
15	A	Barat Ghar no. - I	1	0	1.00	200.00
16	A	Manoranjan Kendra	1	0	1.00	250.00
17	A	Patrol Pump	1	0	1.00	50.00
18	A	Township Gate Security Office Gate no. - III	1	0	1.00	10.00
19	A	BMKS office	1	0	1.00	300.00
20	A	Township Civil Office	1	0	1.00	100.00
21	A	Township Electrical Office	1	0	1.00	100.00



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22	A	Post Office	1	0	1.00	50.00	50.00
23	A	ATM (SBI)	1	0	1.00	10.00	10.00
24	A	Shopping Center no.-I (Shops)	1	0	1.00	300.00	300.00
25	A	Hospital	1	0	1.00	1000.00	1000.00
	B	Hospital Servant Quarter	1	0	1.00	50.00	50.00
26	A	Pump House - III	1	0	1.00	50.00	50.00
27	A	Community Center	1	0	1.00	375.00	375.00
28	A	Swimming Pool	1	0	1.00	150.00	150.00
29	A	Executive Hostel	1	0	1.00	1200.00	1200.00
30	A	BSN (Junior) OFFICES, STAFFS, ROOMS & TOILETS	1	0	1.00	300.00	300.00
	B	BSN (Junior) Watch Man Quarter	1	0	1.00	30.00	30.00
31	A	BSN (Senior) Offices, Staffs & Toilets	1	0	1.00	500.00	500.00
	B	BSN (Senior) Watch Man Quarter	1	0	1.00	30.00	30.00
32	A	Jila Prishad School (Senior) Offices & Toilets	1	0	1.00	200.00	200.00
	B	Jila Prishad School (Senior) Watch Man Quarter	3	0	3.00	30.00	90.00
33	A	Jila Prishad School (Junior) Offices	1	0	1.00	50.00	50.00
	B	Jila Prishad School (Junior) Watch Man Quarter	1	0	1.00	30.00	30.00
34	A	Oxidation Pond	0	1	1.00	10.00	10.00
35	A	Shopping Center no.-II	1	0	1.00	120.00	120.00
36	A	Pump House - IV	1	0	1.00	25.00	25.00
37	A	Township Gate Security Office Gate no. - IV	0	1	1.00	10.00	10.00
38	A	Union Offices	5	1	6.00	75.00	450.00
<b>Total</b>							<b>8627.00</b>

## SCHEDULE " F3 "

### List of Residential Buildings in Township area for Anti-Mosquito Treatment for In-door Spraying.

Sl. No.	Description of Area	Quantity (No.)				Unit Area (Sq m)	Total Area (Sq m)
		Sect-I	Sect-II	CISF Coloney	Total		
1	Type - VI (BHEL House)	1	0	0	1.00	175.00	175.00
2	Type - V (GM House)	2	0	0	2.00	140.00	280.00

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3	Type - V	12	15	0	27.00	114.00	3078.00
4	Servant Quarters for BHEL House, GM Residence & Type - V Quarters	15	15	0	30.00	25.00	750.00
5	Type - IV	44	52	0	96.00	73.00	7008.00
6	Type - B (Add Room)	20	0	0	20.00	73.00	1460.00
7	Type - III	84	144	0	228.00	50.00	11400.00
8	Type - B (Orignal)	12	0	0	12.00	50.00	600.00
9	Type - A (Add Room)	64	0	0	64.00	50.00	3200.00
10	Type S - III	0	0	4	4.00	50.00	200.00
11	Type - II Ph-III (Add Room)	80	0	0	80.00	56.00	4480.00
12	Type - II Ph-III (Orignal)	16	0	0	16.00	40.00	640.00
13	Type - II Ph-IV	32	0	0	32.00	40.00	1280.00
14	Type - II	452	0	0	452.00	33.00	14916.00
15	Type S - II	0	0	64	64.00	33.00	2112.00
16	Type - H	16	0	0	16.00	30.00	480.00
17	Type - M	16	0	0	16.00	30.00	480.00
18	Type GH - II	6	0	0	6.00	36.00	216.00
19	Type - P	2	2	0	4.00	36.00	144.00
20	Type - X	30	0	0	30.00	28.00	840.00
		<b>Total</b>					<b>53739.00</b>

**SCHEDULE " F4 " (MONTHS & FREQUENCY)**

S.No. of Price Bid	Months & Frequency												
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total Months
1	0.00	1.00	2.00	2.00	0.00	1.00	1.00	2.00	1.00	1.00	1.00	0.00	12.00
2	0.00	1.00	2.00	2.00	0.00	1.00	1.00	2.00	1.00	1.00	1.00	0.00	12.00
3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	11.00
4	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00

## **SCHEDULE " F5 "**

### **Anti-Larva Operation (Chambers, Nallahas & Holes) of Township & Factory area.**

S.No	Ist Week	IInd Week	IIIrd Week	IVth Week
1	Oxidation Pond- Township	CISF Quarter & Barrick	ED Bungalow	<b>Continue</b>
2	Behind Jila Parishad School	Behind CISF Colony	Guest House	
3	Jayanti Park	Behind Factory	Type - V	
4	Masjid	Factory Oxidation Pond	Main Road (from main gate to petrol pump)	
5	BSN School (Primary & Senior)	Behind Factory Canteen	Outside Boundary Wall	
6	Behind ET Hostel	Factory Pump House	A Type & B Type	
7	Swimming Pool	BHEL Petrol Pump	Pump House No. 2	
8	Community Center	Manoranjana Kendra	Temple, Gurudwara	
9	Old Type	Police Chowki	Shopping Center No. 2	
10	New Type	Hatt	Township Civil Office	
11	Pump House No. 4	Pump House No. 1	Type III Sec-1	
12	Gate No. 6	Nursery	Hospital	
13	Outside Boundary Wall	Factory Chambers	Pump House No. 3	
14	Factory Chambers		Factory Chambers	

( LIST OF PESTICIDES BANNED IN INDIA )

**LIST OF PESTICIDES / PESTICIDES FOR MULATIONS BANNED IN INDIA**

<b>A.</b>	<b>Pesticides Banned for manufacture, import and use (28 Nos.)</b>	
	1	<b>Aldrin</b>
	2	<b>Benzene Hexachloride</b>
	3	<b>Calcium Cyanide</b>
	4	<b>Chlordane</b>
	5	<b>Copper Acetoarsenite</b>
	6	<b>Cibromochloropropane</b>
	7	<b>Endrin</b>
	8	<b>Ethyl Mercury Chloride</b>
	9	<b>Ethyl Parathion</b>
	10	<b>Heptachlor</b>
	11	<b>Menazone</b>
	12	<b>Nitrofen</b>
	13	<b>Paraquat Dimethyl Sulphate</b>
	14	<b>Pentachloro Nitrobenzene</b>
	15	<b>Pentachlorophenol</b>
	16	<b>Phenyl Mercury Acetate</b>
	17	<b>Sodium Methane Arsonate</b>
	18	<b>Tetradifon</b>
	19	<b>Toxafen</b>
	20	<b>Aldicarb</b>
	21	<b>Chlorobenzilate</b>
	22	<b>Dieldrine</b>
	23	<b>Maleic Hydrazide</b>
	24	<b>Ethylene Dibromide</b>
	25	<b>TCA (Trichloro acetic acid)</b>
	26	<b>Metoxuron</b>
	27	<b>Chlorofenvinphos</b>
	28	<b>Lindane (Banned vide Gazette Notification No S.O. 637(E) Dated 25/03/2011)</b>
<b>B.</b>	<b>Pesticide / Pesticide formulations banned for use but their manufacture is allowed for export (2 Nos.)</b>	
	1	<b>Nicotin Sulfate</b>
	2	<b>Captafol 80% Powder</b>
<b>C.</b>	<b>Pesticide formulations banned for import, manufacture and use (4 Nos)</b>	
	1	<b>Methomyl 24% L</b>
	2	<b>Methomyl 12.5% L</b>
	3	<b>Phosphamidon 85% SL</b>
	4	<b>Carbofuron 50% SP</b>
<b>D.</b>	<b>Pesticide Withdrawn(7 Nos)</b>	
	1	<b>Dalapon</b>
	2	<b>Ferbam</b>
	3	<b>Formothion</b>
	4	<b>Nickel Chloride</b>
	5	<b>Paradichlorobenzene (PDCB)</b>
	6	<b>Simazine</b>
	7	<b>Warfarin</b>

## LIST OF PESTICIDES REFUSED REGISTRATION

S.No.	Name of Pesticides
1	Calcium Arsonate
2	EPM
3	Azinphos Methyl
4	Lead Arsonate
5	Mevinphos (Phosdrin)
6	2,4, 5-T
7	Carbophenothion
8	Vamidothion
9	Mephosfolan
10	Azinphos Ethyl
11	Binapacryl
12	Dicrotophos
13	Thiodemeton / Disulfoton
14	Fentin Acetate
15	Fentin Hydroxide
16	Chinomethionate (Morestan)
17	Ammonium Sulphamate
18	Leptophos (Phosvel)

## PESTICIDES RESTRICTED FOR USE IN INDIA

S.No.	Name of Pesticides
1	Aluminium Phosphide
2	DDT
3	Lindane
4	Methyl Bromide
5	Methyl Parathion
6	Sodium Cyanide
7	Methoxy Ethyl Mercuric Chloride (MEMC)
8	Monocrotophos
9	Endosulfan
10	Fenitrothion
11	Diazinon
12	Fenthion
13	Dazomet

## Annexure C

### QUALIFYING REQUIREMENTS

- 1) Average Annual financial turnover during the last 3 years, ending 31st March 2020, should be at least Rs.1.10 Lakh duly audited financial statement/balance sheet/certified by CA to be submitted as supporting documents. If all balance sheet/financial statement are not available for three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheet/certificate from CA/Financial statement by three.
- 2) Experience of having of having successfully completed similar works during last 7 years ending “on last day of previous month when tender is uploaded” should be either of the following: -
  - a. Three similar completed works each costing not less than the amount equal to **Rs. 1.47 Lakhs.** Or
  - b. Two similar completed works each costing not less than the amount equal to **Rs. 1.84 Lakhs.** Or
  - c. One similar completed work, each costing not less than the amount equal to **Rs. 2.94 Lakhs.**

*Similar work means: - : All type Pest control/termite treatment/rodent control works only.*

Documentary proof (Execution Certificate/LOI/Work order) for the experience to be submitted along with Technical Bid. In case of experience in Private Sector, relevant TDS Certificate (TRACES Only) must be attached as evidence.

- 3) ***The contractor should have a valid License to stock and use insecticide(s) for commercial pest control operation in the format of FORM – VI/C issued from State Government Department.***

#### Other Essential Documents-

- 4) Should have PAN/TAN number. Copy of PAN/TAN to be submitted.
- 5) GST Registration with valid documentary proof.
- 6) Should have independent ESI Code number.
- 7) Blank Price Bid (JS 472) as per annexure “G”.
- 8) Undertaking duly signed, with seal and stamp of the Bidder, on Stamp Paper of Rs 100 /- as per annexure “V”.
- 9) EMD.
- 10) The documents required for legal entities under whose name and style Contractor has participated in the tender are as follows:
  - (i) Partnership Firm: Partnership Deed registered at the office of Registrar of Firms.
  - (ii) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.
  - (iii) Society: Registration certificate issued by Registrar of societies.



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Sole Proprietor-ship Firm: Undertaking on oath (Rs. 100 stamp paper) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely ( ).

Annexure –D

## GENERAL TERMS AND CONDITIONS OF ENQUIRY (JHS 2055C R00)

## UPLOADED IN SPERATE FILE -PAGE NO 01 TO 14

(To be signed by contractor and submitted along with bid.)

## SPECIAL CONDITIONS OF CONTRACT FOR WORK

1. **Location of Site** – BHEL Jhansi Township, CISF colony & Factory. The contractor is advised to visit the site and meet the officials of TCX department for any clarifications before quoting their rates for the work.
2. **Time allowed for completion of work** – 12 months.
3. **Defect Liability period** – 1 week from application of pest control treatment.
4. **Payment Terms** – Measurement of completed work to be done monthly and bill to be submitted by Contractor to department by 8<sup>th</sup> of next month. Payment will be done as per GTC Clause (X) (6).
5. **Penalty for delayed work** – Milestone – Total 12 milestones are stipulated for the work i.e. one every month. The Price bids items 1,2,3 & 4 are to be executed as per Schedule 4 of the price bid whereas items no. 5, 6 & 7 are to be executed as per requirement on the instruction of the BHEL Engineer in charge. If any of the milestones defined above are missed then penalty will be as per clause (X) (4) or GTC.
6. **PVC & ORC** - Not applicable
7. **Taxes & Duties** - The contractor shall submit their offer inclusive of all duties, royalty, entry tax etc except GST. If GST is applicable for the work, the contractor shall claim GST extra as per actual over the quoted price of the work. However the contractor must make payment of GST before claiming the same from BHEL.
8. **Award of work** – The bidder must quote the total package price for the work and not the individual item rates in the price bid. The % allocation of each item has been specified and the individual item rates will be determined based on this % allocation from the total price quoted. The work will be awarded to overall lowest bidder who has submitted the lowest total price for the work.
9. **The above contract will be covered under the BHEL CONCILIATION SCHEME, 2018.**
- 10.
11. Work Inspection shall be done by BHEL representative and payment shall be made on the basis of measurement only as per unit given in schedule. The contractor or his supervisor /authorized person will maintain a register and record the work / measurement immediately and get verified the satisfactory completion of work by BHEL personnel.
12. The contractor will be fully responsible for the preparation of bill and submission to Engineer-in-charge.
12. *The measurements of completed works and preparation of bill's related procedure will be governed by as per CPWD norms and guidelines. Contractor will comply with all CPWD's Norms, specifications, and guidelines related to work execution and billing.*
13. Final bill shall be prepared within 3 months after successful completion of work in the Form prescribed for the purpose, based on the certificate issued by the Engineer that the entire work as stipulated in the tender Specifications has been completed in all respect to the entire satisfaction of BHEL. The Contractor shall give unqualified 'No claim' and 'no demand' certificate. The abstract of final



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quantities and financial values shall also be entered in the measurement book and signed by both the parties. The final bill shall be paid within a reasonable time after completion of the work. After the payment of final bill, only the guarantee obligation percentage value (Security deposit) shall remain unpaid, which will be released after completion of defect liability period on submission of no-dues certificate.

14. The BHEL General Conditions of contract shall form an integral part of this contract. (The BHEL General condition of contract may be seen in civil Office).
15. The Special Conditions of Contract (SCC) shall have overriding priority over General Conditions of Contract (GCC). Whenever there is any contradiction between the GCC and SCC, the SCC shall be treated as final.
16. The contractor shall take necessary precautions for the safety of his workmen and provide them with all safety equipment like gloves, gum-boots etc. as per requirement. BHEL shall not be liable to pay any additional amount on account of any safety equipment / PPE.
17. The contractor shall take proper care to avoid any damage to BHEL property. If any damage does take place, the contractor will be fully responsible for the same. The decision of Engineer in charge in such case shall be final and binding on contractor.
18. The contractor will follow all safety rules required in connection with execution of such type of works.
19. The contractor will provide the all safety equipment i.e. safety shoes, safety belt, goggle and all other equipment which are direct related to work execution at own his cost.
20. The workers should be trained enough for the work.
21. No minor worker will be allowed to work.
22. The contractor shall be wholly responsible for the behavior of his workmen with the official staff.
23. **All tools & tackles, ladder & machinery required for the work execution shall be arranged by contractor on his cost.**
24. The contractor will be fully responsible to follow the instruction related to works, given and recorded by department in "Site order Book" and will be signature by him daily against recorded instructions in "Site Order Book" at department.
25. RECOVERY FOR LAND & BUILDING RENT ISSUED TO CONTRACTOR ON DEMAND & AVAILABILITY.

Sl.No.	Description	Recovery Rate
1	Open land for labour stay.(For temporary arrangements.)	Rs. 5.00/ sqm
2	Store building (if available) or land for store (for temporary arrangements).	Rs. 25.00/ sqm –plinth area
3.	Resident building –only X type or Type 2.	As per applicable BHEL RULES and guidelines.

## Technical Bid Qualifying criteria & check list

S. No	Particulars Details	Pease tick (v)	Number / Details of enclosures
01	Name of the Firm (Document as per Sr. No. 2 of Qualifying Requirements)		
02	Name of the Proprietor/Partners		
03	Address and Contact Numbers		
04	Firm Registration Number if applicable (Copy of Certificate)		
05	Labour license Number (Copy of Certificate)		
06	ESI Code Number (Copy of Certificate)		
07	PF Code Number (Copy of certificate)		
08	PAN/TAN Number (Copy of PAN/TAN)		
09	GSTIN (PAN BASED) (Copy of certificate)		
10	Self-Declaration as per Annexure-V		
11	Balance Sheet along with Copy of Audited Financial annual statement by CA for last three financial years ending 31.03.19 as per tender		
12	Experience Certificate (Along with necessary enclosures as per tender to be submitted)		
13	No of Workers including supervisors on the rolls of the firm		
14	Committed Capacity against our tendered quantity in %		
15	Earnest Money Deposit a) DD No/MR No. & Date b) Drawn On (Bank)		
16	Any Other relevant Information		
17	Validity of Offer (At least 120 Days from the date of tender opening)		
18	Blank Price Bid Format		
19	E-Mail and Mobile Numbers		

## BLANK PRICE BID (JS 472)

a. Name of the firm \_\_\_\_\_

S.No.	Description of Items	Unit	Qty.	Rate	Amount (Rs.)
01	Indoor spraying in the quarters, official building and public building for control of mosquitoes and general pest with chemical listed below, once every month by spraying machine in factory & township campus area <b>as per schedule "F1, F2, F3". Frequency &amp; months as per schedule "F4" S.no.1</b>	PER MONTH	12	6000.00	72000.00
	Cyphenophrin-5 EC with concentration of 20ml per liter of water. <b>OR</b>				
	Lenbeacyhalothrine-10 WP with concentration of 5 gms per liter of water. <b>OR</b>				
	Delta Methrine-2.5 SC with concentration of 10ml per liter of water.				
02	Out door anti adult fogging operation around the residence, other buildings, parks, green belts with fogging machines once in a month to kill adult mosquitoes in the all areas with chemical listed below. <b>Area as per schedule "F1, F2, F3". Frequency &amp; months as per schedule "F4" S.no.2</b>	PER MONTH	12	6708.00	80496.00
	Melathium technical with concentration of 50ml per liter of diesel. <b>OR</b>				
	Pyrathium - 2.5% with concentration of 50ml per liter of diesel. <b>OR</b>				
	Cyphenophrin-5 EC with concentration of 5ml per liter of diesel.				

03	Anti-larva operation at all stagnant water pools, ponds, nallahs and open areas which are identified as source for mosquitoes breeding in the inner township and upto 01 kilometre outside the township boundary wall. <b>The operation will be carried out every week with chemical listed below as per schedule "F5". Frequency &amp; months as per schedule "F4" S.no.3</b>	PER MONTH	11	6500.00	71500.00
	Vecatobac-12 AS with concentration of 10ml per liter of water (under general mosquito larva condition). <b>OR</b>				
	"MLO" oil (under heavy mosquito larva condition).				
04	Cockroach, silver fish, bad bugs treatment by spraying suitable insecticide / pesticide in all the manhole / gully chamber outside and inside the township and factory area buildings with frequency once every 03 months (Quarterly) with chemical listed below. <b>Frequency &amp; months as per schedule "F4" S.no.4</b>	PER MONTH	12	6000.00	72000.00
	Delta Methrine-2.5 SC with concentration of 10ml per liter of water for out side the buildings and				
	Pest seal oil - 2% <b>OR</b>				
	Cockroach Gel - 200 rooms with 30ml gel injection pack.				
05	Directing and injecting chemicals emulsion for post constructional anti-termite treatment :- Treatment at points of contact of wood work by inimical emulsion chlorpyriphos (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6.0mm dia holes at downward angle of 45 degree at 150mm center to center and sealing the same with chemical listed below.	SQM	500	40.00	20000.00
	Inibatlotrid - 30.5 SC with concentration of 2ml per liter of water. <b>OR</b>				

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	Termiseal oil				
<b>06</b>	Removing of bees hives (chatta) by spraying appropriate pesticide and removing from its position and this shall be followed by weekly spraying on the area to prevent re-formation of bee hives. The hives more than 10cm shall only be counted hives less than 10cm shall be ignored. However contractor shall have remove less than 10cm alongwith the larger.	NOS.	100	80.00	8000.00
	Chypropyriphose <b>OR</b>				
	Delta Methrine-2.5 SC.				
<b>07</b>	Rodent control treatment in required area.	PER			
	Brolobialone - 0.005% cake with trouble gum blue gel in rodobox under lock & key condition.	100 SQM	5000	2.00	10000.00
Section Total A					333996.00
Section Weightage percentage					100.00%
Quoted Section amount Sec A (derived) from the Quoted Total Price Bid value					0.00
Section Multiplying Factor					0.0000000000
<b>Total Amount To be quoted by Contractor ( in figure )</b>					<b>xxxxxxx</b>

Amount in Words:- .....XXXXXXXXXXXXX.....

## GST EXTRA AS APPLICABLE

NOTE – Contractor must not quote Amounts in this Blank Price Bid. This document must be submitted along with Techno-commercial bid.

## Explanatory Note for calculating Quoted Rates of individual items of each section and billing method

1. For each section the weightage percentage has been specified as per above.
2. Contractor only has to quote the total price bid value for the contract

3. The amount quoted by the contractor will be distributed in the 1 sections as per the weightage of that Section. The amount allocated to each section will be called as **Quoted Sectional Amount**

4. The sectional multiplying factors for each section will then be calculated as follows:

**Sectional Multiplying Factor** = (Quoted Sectional Amount)

Sectional Total of that Section as mentioned in Price Bid

5. The rates of the individual items in any section will be determined by the following formula-

**Actual Item rate** = (Sectional Multiplying Factor) x (Item rate)

6. To eliminate possibility of rounding off errors in **Actual item rates**, the billing shall be done by first calculating the amount derived by obtaining the quantity executed with the Item Rates and then the **total amount of each section will be multiplied** with the **Sectional Multiplying Factor**.

## **Annexures (I-IX)**

**UPLOADED IN SPERATE FILE -PAGE NO 01 TO 14**

**(To be signed by contractor and submitted along with bid.)**



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**Format JS 146 - Price Bid Sheet (in a separate envelope)**

**UPLOADED IN SPERATE FILE (1 Page)**