दादरा नगर हवेली उर्जा वितरण निगम लिमिटेड
(सरकार का उपक्रम)
DNH POWER DISTRIBUTION CORPORATION LTD.
(A Government Undertaking)
CIN : U40100DN2012GOI000405

Tele. Fax No. 0260-2642338

Tender Notice No. 07/2017-18/2435 **Date :- 10/07/2017**

TENDER NOTICE

The Executive Engineer, DNH Power Distribution Corporation Ltd., U.T. of Dadra & Nagar Haveli, Silvassa on behalf of the President of India invites sealed tenders from the Manufactures / Authorized Dealers/Suppliers/Electrical Contractor and reputed firms having adequate experience for Supply/Erection of following items, so as to reach to this office on or **before 24/07/2017** up to **15.00 Hrs**. by the **R.P.A.D. / Courier** or to be deposited in the Tender Box kept in the office of the undersigned. **The Department will not be responsible for any postal delay.** The tender will be opened on the **same day at 16.00 Hrs**. if possible in presence of Suppliers or his representative, if present.

It. No	Name of work	Estimated Cost (₹)	E.M.D. (Amt. in ₹)	Tender Fee/ Time Limit.
1.	Lighting Decoration of Government Building during the celebration of Liberation Day i.e. 2nd August for the year-2017.	4,25,000.00	8500.00	₹. 500/-
2.	Lighting Decoration of Government Building during the celebration of Independence Day i.e. 15th August for the year-2017.	4,25,000.00	8500.00	₹. 500/-
3.	Extension of 1 Phase, 3 wire LT line at Varlipada and School Falia Village Karad.	2,82,314.00	5650.00	₹. 500/- 2 Months
4.	Extension of 1 Phase, 3 wire LT line at Khadipada, Uganpada and School falia Village Rakholi.	2,79,838.00	5600.00	₹. 500/- 2 Months
5.	Extension of 1 Phase, 3 wire LT line at Dhindhapada, Dattupada, Dungaripada and Kinneripada Village Sayli.	3,92,324.00	7850.00	₹. 500/- 2 Months
6.	Extension of 3 Phase, 4 Wire LT line at Survey No. 424/P/2 village Sayli for providing 5 H.P Agriculture connection of Shri Prabhatsinh D. Solanki	2,08,687.00	4180.00	₹. 500/- 2 Months
7.	Extension of 3 Phase, 4 Wire LT line at Survey No. 80/P/1 Zaripada village Sayli for providing 5 H.P Agriculture connection of Shri Prabhatsinh D. Solanki	2,07,823.00	4160.00	₹. 500/- 2 Months
8.	Extension of 1 Phase, 3 wire LT line from Police Station to Kudacha Border Kasha area Village Raholi.	3,48,161.00	6960.00	₹. 500/- 2 Months
9.	Extension of 3 Phase, 4 Wire LT line at Survey No. 354/1 and 355/1 Kathiyapada village Masat for providing 5 H.P Agriculture connection of Shri Holiyabhai Akhubhai Patel.	1,43,560.00	2870.00	₹. 500/- 2 Months
10.	Shifting of 1 Phase, 3 Wire LT line from Farmer land village Karad.	2,21,243.00	4425.00	₹. 500/- 2 Months
11.	Extension of 3 Phase, 4 Wire LT line at Survey No. 90/P/2,Dhapsa village Naroli for providing 5 H.P Agriculture connection of Shri Devendra M. Vanath.	1,01,901.00	2040.00	₹. 500/- 2 Months
12.	Extension of 3 Phase, 4 Wire LT line and Conversion of 1 Phase, 3 Wire into 3 Phase, 5 Wire LT line for providing electrical service connection to water supply scheme at village Shelti Goratpada. (IInd Call)	2,19,285.00	4400.00	`. 500/- 2 Months
13.	Extension of 3 Phase, 4 Wire LT line for providing electrical service connection to water supply scheme at village Rudana Kaspada. (IInd Call)	2,95,916.00	5920.00	`. 500/- 2 Months

14.	Extension of 1 Phase, 3 Wire LT line for providing LIG Model electric service connection to village people at village Bildhari, Karbharipada(Sansad Adarsh Gram Yojna) (IInd Call)	2,13,709.00	4280.00	₹. 500/- 2 Months
15.	Extension of 1 Phase, 3 Wire LT line for providing LIG Model electric service connection to village people at village Kaucha Jamalpada (Sansad Adarsh Gram Yojna) (IInd Call)	1,55,665.00	3110.00	₹. 500/- 2 Months
16	Extension of 3 Phase, 4 Wire LT line for release water supply scheme service connection at Parzai, Baripada. (IInd Call)	2,77,369.00	5550.00	₹. 500/- 2 Months
17	Conversion of 1 phase 3 wire to 3 phase 4 wire LT line and Extension of 3 phase 4 wire LT line for providing electric service connection to water supply scheme at Village Kheradi Ghodeamba.(IInd Call)	1,18,035.00	2360.00	₹. 500/- 2 Months
18	Extension of 1 phase 2 wire LT line at Chouda Dungaripada for release the domestic connection from house of Shri Raman Kalat to Shri Vinod Vangad.(IInd Call)	1,09,071.00	2180.00	₹. 500/- 2 Months
19	Extension of 1 phase 2 wire LT line at Khanvel Patlipada for release the domestic service connection from house of Sonji Ramji Vaghera. (IInd Call)	1,23,153.00	2460.00	₹. 500/- 2 Months
20	Shifting of LT Line from the farm at opp. House of Shri. Sukkarbhai Prajapati to Ram Mandir, Dadra (IInd Call)	1,87,570.00	3750.00	₹. 500/- 2 Months
21	Shifting of LT line 3 phase 5 wire from from Tambadi Border to Demani School falia (Upto 200 KVA Transformer Centre) Dadra.(IInd Call)	1,42,303.00	2850.00	₹. 500/- 2 Months
22	Shifting of LT line 3 phase 5 wire from Mishra Shopping centre to house of Shri Dharmeshbhai Shah, Dadra. (IInd Call)	2,64,340.00	5290.00	₹. 500/- 2 Months
23	Shifting of 11 KV HT line at Demani School Falia Transformer centre to M/s. Raj Rayon, Village Demani Dadra. (IInd Call)	1,58,126.00	3160.00	₹. 500/- 2 Months
24	Providing and fixing maintenance free battery set type 110 Volt 200 AH at 66/11KV Athal s/s.(IInd Call)	2,71,923.00	5440.00	₹. 500/- 2 Months
25	Providing HT line for Street Light Transformer at Dandul falia, Silvassa.(IInd Call)	3,71,109.00	7420.00	₹. 500/- 2 Months
26	Supply, Erection, Testing & Commissioning of 100 KVA Transformer centre at Naroli Koya faliya. (IIIrd Call)	4,66,130.00	9350.00	₹. 500/- 2 Months

The blank tender documents can be had from the office of the undersigned on any working day between **10/07/2017 to 21/07/2017** on payment of tender fees in Cash / D.D. ` **500=00** (**Non Refundable**). The document can also be downloaded from the Official Website i.e. www.dnh.nic.in of the Authority. In case of a documents downloaded from web site, the Applicant should attach the D.D. of requisite fees at the time of submission. E.M.D. should be submit in the form of F. D. R. payable at Silvassa only from any Nationalized Bank drawn in favor of **DNH Power Distribution Corporation Ltd**., U.T. of D & N. H., Silvassa should be attached with the tender document. The tender without E.M.D. will not be taken into consideration. Right to accept or reject any or all tenders without assigning any reason thereof is kept reserved by the undersigned.

Sd/-
(H. C. Surma)
Executive Engineer
DNH Power Dist. Corp. Ltd.,
Dadra & Nagar Haveli
Silvassa

Copy fd.w.cs. to :-

1. The Chief Publicity Officer, D.& N.H., Silvassa for publication in local news papers as well as in the leading daily News Papers in each of English/Hindi/Gujarati for wide publicity.
2. The NIC, D.& N.H., Silvassa with request to publish in Website.
3. All Head of Offices, D.& N.H., Silvassa for wide publication.
4. The Executive Engineer (Transmission) & (Laboratory & Vigilance), D & N.H, Silvassa.
5. Notice Board of the DNHPDCL for information.

ITEM No:- 01

S C H E D U L E

NAME OF WORK:- LIGHTING DECORATION OF GOVERNMENT BUILDING DURING THE CELEBRATION OF LIBERATION DAY i.e 2nd AUGUST FOR THE YEAR - 2017

Sr. No.	Description of Item.	Qnty.	Rate (`)	Total Amount (`)
1.	**Lighting Decoration works by running lighting, Border Light patta and decorative color metal high light/focus light on Govt. Building i.e.** 1. Secretariat Building, and Garden area. 2. Collectorate Building, 3. Circuit House Building & Garden area 4. Police Head Quarter Building, 5. Tribal Museum and Shahid Chowk area (Circle and Road) 6. Liberation Memorial at Zanda Chowk 7. Dadra, Naroli, Khedpa and Kheradi Gate. 8. Town Hall during the Celebration of Liberation Day (i.e on 2nd August-2017) of Dadra & Nagar Haveli. The lighting arrangement should be made as per instruction of in-charge Engineer and as per schedule mention below..			
	1st August-2017 Evening to 3rd August-2017 Morning	01 JOB		
			Total Amount :	
			GST :	
			Grand Total :	

ELIGIBILITY CRITERIA

(1) The tendered should have valid Electrical License.

(2) The tendered should have 2 years experience of similar work.

(3) The tendered should have adequate manpower, Submit the list of manpower.

(4) The tendered should have GST registration.

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

ITEM No:- 02

SCHEDULE

NAME OF WORK:- LIGHTING DECORATION OF GOVERNMENT BUILDING DURING THE CELEBRATION OF INDEPENDENCE DAY i.e 15th AUGUST FOR THE YEAR - 2017

Sr. No.	Description of Item.	Qnty.	Rate (`)	Total Amount (`)
1.	**Lighting Decoration works by running lighting, Border Light patta and decorative color metal high light/focus light on Govt. Building i.e.** 1. Secretariat Building, and Garden area. 2. Collectorate Building, 3. Circuit House Building & Garden area 4. Police Head Quarter Building, 5. Tribal Museum and Shahid Chowk area (Circle and Road) 6. Liberation Memorial at Zanda Chowk 7. Dadra, Naroli, Khedpa and Kheradi Gate. 8. Town Hall during the Celebration of Independence Day (i.e on 15th August-2017). The lighting arrangement should be made as per instruction of in-charge Engineer and as per schedule mention below..			
	14th August-2017 evening to 16th August-2017 Morning	01 JOB		
			Total Amount :	
			GST :	
			Grand Total :	

ELIGIBILITY CRITERIA

(1) The tendered should have valid Electrical License.

(2) The tendered should have 2 years experience of similar work.

(3) The tendered should have adequate manpower, Submit the list of manpower.

(4) The tendered should have GST registration.

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.3

Schedule

Name of Work: Extension of 1 phase 3 wire LT line at Varlipada and school faliya, village Karad.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	18	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	18	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cm X 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	9	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	15	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm).	65	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole.	18	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor.	2.2	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	18	Nos.		
9	Providing & erection of barbed wire on PSC pole.	18	Nos.		
				Total Amount :	
				GST :	
				Grand Total :	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.4

Schedule

Name of Work: Extension of 1 phase 3 wire LT line at Khadipada, Uganpada and school Faliya Village Rakholi.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	19	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	19	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	10	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	8	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	66	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	19	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	2	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	19	Nos.		
9	Providing & erection of barbed wire on PSC pole.	19	Nos.		
				Total Amount :	
				GST :	
				Grand Total :	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.5

Schedule

Name of Work: Extension of 1 phase 3 wire LT line at Dhindapada, Dattupada, Dungerpada, Kinneripada, Village Sayli.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	24	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	24	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	18	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	13	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	74	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	24	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	2.9	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	24	Nos.		
9	Providing & erection of barbed wire on PSC pole.	24	Nos.		
				Total Amount :	
				GST :	
				Grand Total :	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.6

Schedule

Name of Work: Extension of 3 phase 4 wire LT line for providing 5 HP agricultural connection to Shri. Prabhatsinh D. Solanki, Srv No. 424/P/2, Village Sayali.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	10	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	10	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	4	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	8	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	50	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	10	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	2.25	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	10	Nos.		
9	Providing & erection of barbed wire on PSC pole.	10	Nos.		
				Total Amount :	
				GST :	
				Grand Total :	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.7

Schedule

Name of Work: Extension of 3 phase 4 wire LT line for providing 5 HP agricultural connection to Shri. Prabhatsinh D. Solanki, Srv No. 80/P/1, Village Sayali.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	7	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	7	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	7	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	12	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	59	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	7	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	2.35	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	7	Nos.		
9	Providing & erection of barbed wire on PSC pole.	7	Nos.		
				Total Amount :	
				GST :	
				Grand Total :	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.8

Schedule

Name of Work: Extension of 1 phase 3 wire LT line from police station to kudacha border kasha area.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	21	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	21	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	9	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	16	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	77	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	21	Nos.		
7	Providing and erection of AAAC 34 SQ.MM. Conductor	3	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	21	Nos.		
9	Providing & erection of barbed wire on PSC pole.	21	Nos.		
				Total Amount	
				GST	
				Grand Total	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.9

Schedule

Name of Work: Extension of 3 phase 4 wire LT line for providing 5 HP agricultural connection to Shri. Holiyabhai Akhubhai Patel at Srv. No. 354/1 & 335/1, Kathiyapada, village Masat.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	6	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	6	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	4	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	28	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	30	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	6	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	1	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS.	6	Nos.		
9	Providing & erection of barbed wire on PSC pole.	6	Nos.		
				Total Amount	
				GST	
				Grand Total	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.10

Schedule

Name of Work: Shifting of 1 phase 3 wire LT line from farmer land of karad village.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	14	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required.	14	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.	7	Nos.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point.	7	Nos.		
5	Providing & erection of LT Shackle insulator with hardware (75 X 90 mm)	42	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole	14	Nos.		
7	Providing and erection of AAAC 50 SQ.MM. Conductor	1.8	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	14	Nos.		
9	Providing & erection of barbed wire on PSC pole.	14	Nos.		
				Total Amount	
				GST	
				Grand Total	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

Item No.11

Schedule

Name of Work: Extension of 3 phase 4 wire LT line for providing 5 HP new Agriculture service connection of Shri. Devendrasinh M Vanath, Srv. No.90/P/2, Village -Dhapsa.

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of PSC Pole 8 Mtrs. Long & 200Kgs	10	Nos.		
2	Erection of PSC pole of 8 mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc.as required as per CPWD code no. 11.1.2	10	Nos.		
3	Providing and erection of stay set complete (Galvanized) with 19/20 mm dia X 1.8 mtr. Long stay rod, Anchor plate of size 45cm X 45cmX 7.5 mm thimble ,stay clamps, turn buckle (20mm X 60mm),7/3.15mm dia GI stay wire and strain insulator excavation and refilling etc.as required as per CPWD SOR no. 12.2	3	Set.		
4	Providing & Erection of M.S Channel/Angle 75 mm X 40mm X 6mm, 4 feet long complete with 50 X 6 mm flate iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD code no. 13.2	44	feet.		
5	Providing & erection of LT Shackle insulator with hardware as per tender specification	44	Nos.		
6	Providing and erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rule as per CPWD code no. 5.7	40	kg		
7	Providing and erection of AAC 35 SQ.MM. Conductor as per tender specification.	1.2	Kms.		
8	Providing & erection of metallic vitrified danger board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	10	Nos.		
9	Labour charges for stringing LT line item code 1001	10	Lab		
				Total Amount	
				GST	
				Grand Total	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

ITEM No:- 12

S C H E D U L E

NAME OF WORK: Extension of 3 Phase, 4 Wire LT line and Conversion of 1 Phase, 3 Wire into 3 Phase, 5 Wire LT line for providing electrical service connection to water supply scheme at village Shelti Goratpada.(IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	06	Nos		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	06	Nos		
3	Providing & Erection of Stay set complete(Galvanized) with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	03	Nos		
4	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code.	46	Nos		
5	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	06	Nos		
6	Providing & Erection of AAAC 50 sq.mm. Conductor as per IS: 398(Part-IV)1994	3.1	Km		
7	Providing and Erection of metallic vitrified danger notice board to be erected as per IS.	06	Nos		
8	Providing and Erection of Barbed wire on PSC Pole	06	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No:- 13

S C H E D U L E

NAME OF WORK: Extension of 3 Phase, 4 Wire LT line for providing electrical service connection to water supply scheme at village Rudana Kaspada.(IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	14	Nos		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	14	Nos		
3	Providing & Erection of Stay set complete(Galvanized) with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	06	Nos		
4	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code.	60	Nos		
5	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	14	Nos		
6	Providing & Erection of AAAC 50 sq.mm. Conductor as per IS: 398(Part-IV)1994	3.3	Km		
7	Providing and Erection of metallic vitrified danger notice board to be erected as per IS.	14	Nos		
8	Providing and Erection of Barbed wire on PSC Pole	14	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 14

S C H E D U L E

NAME OF WORK: Extension of 1 Phase, 3 Wire LT line for providing LIG Model electric service connection to village people at village Bildhari, Karbharipada(Sansad Adarsh Gram Yojna)(IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	10	Nos		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	10	Nos		
3	Providing & Erection of Stay set complete(Galvanized) with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	05	Nos		
4	Providing & Erection of MS Channel 75 x 40 x 6mm, 4 feet long complete with 50 x 6 flat iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD Code No.13.2	10	Nos		
5	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code.	30	Nos		
6	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	10	Nos		
7	Providing & Erection of AAAC 50 sq.mm. Conductor as per IS: 398(Part-IV)1994	1.8	Km		
8	Providing and Erection of metallic vitrified danger notice board to be erected as per IS.	10	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 15

SCHEDULE

NAME OF WORK: Extension of 1 Phase, 3 Wire LT line for providing LIG Model electric service connection to village people at village Kaucha Jamalpada (Sansad Adarsh Gram Yojna) (IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	07	Nos		
2.	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	07	Nos		
3.	Providing & Erection of MS Channel 75 x 40 x 6mm, 4 feet long complete with 50 x 6 flat iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD Code No.13.2	07	Nos		
4.	Providing & Erection of metallic vitrified danger notice board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	07	Nos		
5.	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	07	Nos		
6.	Providing & Erection of AAC 50sq.mm. Conductor as per IS: 398(Part-IV)1994	1.2	KM		
7.	Providing & Erection of Stay set complete (Galvanized) with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	06	Set		
8.	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code No.12.13	21	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

ITEM No. 16.

SCHEDULE

NAME OF WORK: Extension of 3 Phase, 4 Wire LT line for release water supply scheme service connection at Parzai, Baripada. (IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	10	Nos		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	10	Nos		
3	Providing & Erection of Stay set complete(Galvanized) with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	03	Nos		
4	Providing & Erection of MS Channel 75 x 40 x 6mm, 4 feet long complete with 50 x 6 flat iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD Code No.13.2	50	Feet		
5	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code.	44	Nos		
6	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	10	Nos		
7	Providing & Erection of AAAC 50 sq.mm. Conductor as per IS: 398(Part-IV)1994	2.6	Km		
8	Providing and Erection of metallic vitrified danger notice board to be erected as per IS.	10	Nos		
9	Providing and Erection of Barbed wire on PSC Pole	10	Nos		
			Total		
			GST		
			Grand Total `.		

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 17

SCHEDULE

NAME OF WORK: Conversion of 1 phase 3 wire to 3 phase 4 wire LT line and Extension of 3 phase 4 wire LT line for providing electric service connection to water supply scheme at Village Kheradi Ghodeamba. (IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	02	Nos		
2.	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	02	Nos		
3.	Providing & Erection of Stay set complete (Galvanized) with 19/20 mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5 mm thimble, stay clamps, turn buckle (20 mm x 60 mm), 7/3.15 mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	05	Set		
4	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code.	20	Nos		
5.	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	02	Nos		
6.	Providing & Erection of AAAC 50sq.mm. Conductor as per IS: 398(Part-IV)1994	1.6	KM		
7.	Providing & Erection of metallic vitrified danger notice board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	02	Nos		
8.	Providing and Erection of Barbed wire on PSC Pole	02	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa

ITEM No. 18

S C H E D U L E

NAME OF WORK: Extension of 1 phase 2 wire LT line at Chouda Dungaripada for release the domestic connection from house of Shri Raman Kalat to Shri Vinod Vangad.(IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	06	Nos		
2.	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	06	Nos		
3	Providing & Erection of MS Channel 75 x 40 x 6mm, 2 feet long complete with 50 x 6 flat iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD Code No.13.2	20	Feet		
4	Providing & Erection of metallic vitrified danger notice board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	06	Nos		
5	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	06	Nos		
6	Providing & Erection of AAC 50sq.mm. Conductor as per IS: 398(Part-IV)1994	0.6	KM		
7	Providing & Erection of Stay set complete (Galvanized) with 19/20 mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5 mm thimble, stay clamps, turn buckle (20 mm x 60 mm), 7/3.15 mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.12.2	04	Set		
8	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code No.12.13	15	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 19

S C H E D U L E

NAME OF WORK : Extension of 1 phase 2 wire LT line at Khanvel Patlipada for release the domestic service connection from house of Sonji Ramji Vaghera.(IInd Call)

Sr. No.	Name of Materials.	Qnty	Unit	Rate.	Amount.
1	Providing and Erection of 8.0 Mtr. Long 200 Kg PSC Pole.	07	Nos		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required. As per CPWD Code No.11.1.2	07	Nos		
3	Supplying & Erection of Stay set complete(Galvanized) for 11KV line with 19/20mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5mm thimble, stay clamps, turn buckle (20mm x 60mm), 7/4mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required. As per CPWD SOR Code No.13.1	05	Set		
4	Providing & Erection of LT Shackle Insulator with Hardware (75mm x 90mm) as per CPWD Code No.12.13	15	Nos		
5	Providing and Erection of coil type earthing with 6 SWG GI earth wire with charcoal and salt from top of pole as per IE rules as per CPWD Code No. 5.7	07	Nos		
6	Providing & Erection of AAAC 50sq.mm. Conductor as per IS: 398(Part-IV)1994	0.7	KM		
7	Providing & Erection of metallic vitrified danger notice board, to be erected as per IS. As per Govt. Guj. SOR Item Code 3.13.2	07	Nos		
8	Providing & Erection of Barbed wire on PSC Pole	07	Nos		
				Total	
				GST	
				Grand Total `.	

Executive Engineer(Dist.)
DNH Power Dist.Corpn. Ltd.,
Silvassa.

Signature of Contractor
with Rubber Stamp & Date.

ITEM No. 20

S C H E D U L E

Name of Work: Shifting of LT Line from the farm at opp. House of Shri.Sukkarbhai Prajapati to Ram Mandir, Dadra. (IInd Call)

Sr. No.	Name of Materials.	Qty.	Units	Rate (₹)	Amount
1	Providing of 8 Mtr. Long PSC Pole.	10	Nos.		
2	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required.	10	Nos.		
3	Providing and Erection of stay set complete (Galvanised) with 19/20 mm dia x 1.8 mtr. Long stay rod, anchor plate of size 45 Cm. x 45 Cm. x 7.5 mm, thimble, stay clamps, turn buckle (20 mm x 60 mm),7/3015 mm dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refiling etc. as required	05	Set.		
4	Providing and Erection of channel Iron 75x40 x6mm, 4 feet long complete with 50x6 mm flat iron clamps, bolts, nuts, and washers drilling holes for cut point.	11	Nos.		
5	Providing and laying 6 SWG GI wire at 0.50 mtr. Below ground level for conductor earthed electrode, Including connection /Termination with GI thimble etc. as required.	100	Mtr.		
6	Providing and erection of LT Shackle insulator with hardware(75mm x 90mm)	55	No.		
7	Providing and erection of 35 sqmm.- 1 core XPLE insulated Al. conductor.	2.00	KM.		
8	Providing and erection of metallic vitrified danger notice board, to be erected as per IS.	10	No.		
				Total	
				GST	
				Grand Total `.	

Executive Engineer(Dist.)
DNH Power Dist.Corpn. Ltd.,
Silvassa.

Signature of Contractor
with Rubber Stamp & Date.

ITEM No. 21 **S C H E D U L E**

Name of Work: Shifting of LT line 3 phase 5 wire from from Tambadi Border to Demani School falia (Upto 200 KVA Transformer Centre) Dadra. (IInd Call)

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of 10 mtr. Long PSC pole.	08	Nos.		
2	Erection of PSC pole of 10 mtr Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required	08	Nos.		
3	Providing and erection of stay set complete (Galvanised) with 19/20 mm dia x 1.8 mtr Long stay rod, anchor plate of size 45 cm x 45 cm x7.5 mm, thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15 mm dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required.	05	Set		
4	Providing M.S. Angle (50 x 50 x 6)mm.	32	Feet		
5	Erection of angle iron/channel iron cross arm on wood / RCC/PCC/steel tubular/ rail pole etc. as required.	08	Set		
6	Supply of 'D' iron clamp(with coach screws)	08	Each		
7	Erection of galvanised 'D' iron clamps and insulator on pole as required.	08	Set		
8	Providing and lying 6 SWG GI wire at 0.50 mtr. below ground level for conductor earthed electrode, Including connection/Termination with GI thimble etc. as required.	80	Mtr.		
9	Supplying and erection of 75 mm x 90 mm shackle insulator with G.I. Bolt, nuts and straps etc. as required.	40	Set		
10	Providing of 34 sqmm- AAAC conductor.	2.00	Km.		
11	Erection of 34 sqmm-AAAC conductor including binding etc. as required	2.00	Km.		
12	Providing and erection of metallic vitrified danger notice board, to be erected as per IS.	08	No.		
				Total	
				GST	
				Grand Total `.	

Executive Engineer(Dist.)
DNH Power Dist.Corpn. Ltd.,
Silvassa.

Signature of Contractor
with Rubber Stamp & Date.

ITEM No. 22

S C H E D U L E

NAME OF WORK: Shifting of LT line 3 phase 5 wire from Mishra Shopping centre to house of Shri Dharmeshbhai Shah, Dadra.(IInd Call)

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing of 10 mtr. Long PSC pole.	15	Nos.		
2	Erection of PSC pole of 10 mtr Length in brick ballast and ramming the foundation, finishing with 150mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required	15	Nos.		
3	Providing and erection of stay set complete (Galvanised) with 19/20 mm dia x 1.8 mtr Long stay rod, anchor plate of size 45 cm x 45 cm x7.5 mm, thimble, stay clamps, turn buckle (20mm x 60mm), 7/3.15 mm dia G.I. stay wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required.	06	Set		
4	Providing M.S. Angle (50x50x6)mm.	60	Feet		
5	Erection of angle iron/channel iron cross arm on wood / RCC/PCC/steel tubular/ rail pole etc. as required.	15	Set		
6	Supply of 'D' iron clamp(with coach screws)	15	Each		
7	Erection of galvanised 'D' iron clamps and insulator on pole as required.	15	Set		
8	Providing and lying 6 SWG GI wire at 0.50 mtr. Below ground level for conductor earthed electrode, Including connection/Termination with GI thimble etc. as required.	150	mtr.		
9	Supplying and erection of 75 mm x 90 mm shackle insulator with G.I. Bolt, nuts and straps etc. as required.	75	set		
10	Providing of 34 sqmm- AAAC conductor.	4.20	km.		
11	Erection of 34 sqmm-AAAC conductor including binding etc. as required	4.20	Km.		
12	Providing and erection of metallic vitrified danger notice board, to be erected as per IS.	15	No.		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 23

SCHEDULE

NAME OF WORK: Shifting of 11 KV HT line at Demani School Falia Transformer centre to M/s. Raj Rayon, Village Demani Dadra. (IInd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing of 8 Mtrs. Long, 200 Kgs. PSC Pole.	08	Nos		
2.	Erection of PSC Pole of 8 Mtr. Length in brick ballast and ramming the foundation, finishing with 150 mm thick cement concrete (1:3:6) layer on top with including excavation and refilling etc. as required.	08	Nos		
3.	Providing & Erection of Stay set complete (Galvanized) with 19/20 mm dia x 1.8 Mtr. Long Stay Rod, Anchor Plate of size 45 Cm. X 45 Cm. X 7.5 mm thimble, stay clamps, turn buckle (20 mm x 60 mm), 7/3.15 mm dia G.I. Stay Wire and strain insulator etc. in cement concrete 1:3:6 foundation including excavation and refilling etc. as required.	04	Set		
4	Providing od channel Iron 75x40x6mm, 4 feet long complete with 50x6 mm flat iron clamps,bolts,nuts and washers drilling holes for cut point.	10	Nos.		
5	Erection of pole top/straight two wire/V shape two wire, angle iron/channel iron, cross arm on PCC pole for 11kv as required.	10	Set		
6	Providing and erection ACSR Rabbit 55 sq.mm Conductor as per Tender Specification.	0.7	Km.		
7	Providing and erection of HT Disc Insulator as per Tender Specification	12	Nos.		
8	Providing and fixing HT Pin insulator as per Tender Specification	18	Nos.		
9	Providing and fixing HT danger notice plate on pole	08	Each		
10	Dismantling of pole strut embedded in brick ballast foundation etc. as required.	08	No.		
11	Providing and erection of pipe type earthing of 11kv pole as per Tender Specification	08	Nos.		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No. 24

S C H E D U L E

Name of Work: Providing and fixing maintenance free battery set type 110 Volt 200 AH at 66/11KV Athal s/s. (IInd Call)

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount
1	Providing and fixing maintenance free battery set having 55 cells type 110Volt 200AH at 66/11 Athal s/s. As per specification	01	Set.		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

TECHNICAL SPECIFICATION OF BATTERY

Sr. No.	Description	Battery Details
1	Battery Rating	110V-200Ah at C10 to 1.75ECV at 27˚C
2	Type of Battery	Maintenance free valve regulated Lead Acid Battery
3	Model Offered	T-200 HP
4	Cell capacity	200Ah at 10 hour rate to 1.75 ECV at 27˚C
5	No of cells	55 Cells
6	Battery dimensions (L x W x H) mm	Refer Schematic layout
7	Applicable standards	
8	AH Efficiency	Min 95%
9	WH Efficiency	Min 85%
10	Self-discharge	<0.5% per week at 27˚C
11	Design float life	20 years at 27˚C on float under recommended charging
12	Design cycle life	1200 cycles at 80% DOD at 27˚C 4000cycles at 20% DOD at 27 ˚C
13	Recommended Charging & Charger setting	
	(a)For float application	Constant potential with current limited to 0.2C10 A Float charging:2.250±0.005V/Cell at 27˚C Boost charging:2.300±0.005V/Cell at 27˚C
	(b)For Cycle application (PSA II & PSA III)	Constant potential with current limited to 0.2C10 A Float charging:2.270±0.005V/Cell at 27˚C Boost charging:2.350±0.005V/Cell at 27˚C
	(c)Charge over from float To Boost	Current drawn by the battery is ≥3% of its capacity
	(d)Change Over from Boost to Float	Current drawn by the battery is ≤1% of its capacity
14	Recommended max. Period of storage	6 months at 27 ˚C
15	Operating temperature range	-20˚ to 55˚C
16	Grid Alloy	Lead alloy with special additives
17	Container & Lid Material	Poly propylene co-polymer
18	Sealing Method	Heat sealing
19	Safety Vent	Self-resealing, pressure Regulating Valve with Flame arrestor
20	Ventilation	Normal ventilation is required
21	Plate type	Flat pasted
22	Separator	Absorbent glass Mat(AGM)
23	Terminals & ICC	Lead plated brass & Lead plated copper ICC's
24	Cell enclosure	Steel enclosures with Acid Resistance Epoxy powder coating
25	Mounting	Mounting Beam with acid resistance coating

Sd/-

Sign and Seal of Bidder **Executive Engineer(Dist.)**

ITEM No. 25

SCHEDULE

Name of Work: Providing HT line for Street Light Transformer at Dandul falia, Silvassa. (IInd Call)

Sr. No.	Description Of Item	Qty.	Units	Rate (₹)	Amount(`)
1	Providing of 10 mtr. PSC pole. As per Tender Specification.	16	Nos.		
2	Erection of 10 mtr. PSC pole & as per CPWD Code No.11.1.3 and Tender Specification	16	Nos.		
3	Providing of 8 mtr. PSC pole & as per CPWD Code no.13.3.3 and Tender Specification	2	Nos.		
4	Erection of 8 mtr. PSC pole & as per CPWD Code No.11.1.3 and Tender Specification	2	Nos.		
5	Providing and erection of guy set as per CPWD Code No.13.1 and Tender Specification	6	Nos.		
6	Providing & erection of Top Fitting as per CPWD Code No.13.3 and Tender Specification	16	Nos.		
7	Providing and erection of H.T. Pin Insulator as per CPWD Code No.13.10 and Tender Specification	50	Nos.		
8	Providing and erection of H.T. Disc. Insulator as per CPWD Code No.13.11 and Tender Specification	21	Nos.		
9	Providing and erection of MS Channel for cut point as per CPWD code No.13.2 and Tender Specification	4	Nos.		
10	Providing & erection of 'V' Cross Arm as per CPWD code no.13.5 and Tender Specification	16	Nos.		
11	Providing and erection of MS Channel 75x40x6 mm, 7.14 kg per cross arm for 4 wire overhead line complete with clamps, bolts, nuts and washer etc including drill of hole for pin insulators ect. (as per drawing and painting with primer. As per CPWD Delhi Code No.12.11)	18	Nos.		
12	Providing and erection LT Shackle insulator with hardware as per CPWD Delhi Code No.12.16	72	Nos.		
13	Providing and erection of ACSR Rabbit 50 sq.mm Conductor as per Tender Specification	1.6	Km.		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

ITEM No:- 26 **S C H E D U L E**

NAME OF WORK: Supply, Erection, Testing & Commissioning of 100 KVA Transformer centre at Naroli Koya faliya. (IIIrd Call)

Sr. No	Name of Materials.	Qnty	Unit	Rate.	Amount.
1.	Providing, and erecting 11 KV D.P. 9 mtr. high Structure made of 6" x 3"'I'-Section Girder, 4" x 2"channels, clamps, nuts, bolts etc. Suitable for erection of the followings duly connected with necessary ACSR conductors. as per drawing approved by the Engineer- in charge complete with following. (A) 11 KV 200 Amps Drop out fuses with S.R.B.P.tubes carries. – **Three Nos** (B) 11 KV G.O.D. switch complete with insulators, operating handle with galvanized pipe, Sq.bar etc. 400Amp.-**One Set** (C) 11 KV lightening arrestor with clamp - **Three Nos.** (D) 11 KV shackle insulators- **Six Nos**. (E) The above D.P. structure should be earthed with 25 mm. X 3 mm thick double GI earth strips run separately and connected with separate GI plate earth electrode.	01	Job		
2	Supply, Erection, Testing & Commissioning of 100 KVA, 11KV/0.433KV Aluminium wound, 3-Star rated Distribution Transformer. As per tender technical specification.	01	Nos		
3	Supply & Installation of distribution box suitable for 100 KVA Distribution Transformer having 250 Amp SFU in main and having 3 Nos of outgoing circuit of 200 Amp. HRC fuses as per drawing with 3.5 core 120 sq mm LT cable as per required.	01	Nos		
4	Providing and erection of "V" Cross Arm with 50 X 6 mm flat iron clamp, bolt and nuts including drilling as per CPWD SOR code No. 13.5	02	Nos		
5	Providing and erection of Top Fitting with bolts and nuts, washers as per CPWD SOR code No. 13.3	02	Nos		
6	Providing and Erection of 11 KV Pin Insulator with Hardware as per CPWD Code No. 13.10	06	Nos		
7	Providing & Erection of MS Channel 75 x 40 x 6mm, 4 feet long complete with 50 x 6 flat iron clamps, bolts, nuts and washers drilling holes for cut point as per CPWD Code No.13.2	08	Nos		
8	Providing and Erection of pipe type earthing with G.I earth pipe 4.5 mtr long, 40 mm dia incl. Accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required. As per CPWD code 5.2	04	Set		
9	Supply and providing of pale fencing for 100 KVA DP structure. As per specification.	01	Job		
10	Providing and Erection of metallic vitrified danger notice board to be erected	06	Nos		
				Total	
				GST	
				Grand Total `.	

Signature of Contractor
with Rubber Stamp & Date.

Executive Engineer(Dist.)
DNH Power Dist. Corpn. Ltd.,
Silvassa.

NOTE FOR ITEM No. 3 to 23 & 25, 26

1. The work to be carried out Strictly as per CPWD Code mention in each item wise and applicable standard.

2. The erection work is to be carried out as per IE Rules.

3. The above tender cost include Fixing of all Accessories, Cross arm clamp, Nut bolt, Jumper Stringing, Painting, Fixing of danger Board, Barbed wire, Pole Number etc. as per standard Norms of Electricity Corporation and SEB's.

4. The item wise specification is as per tender documents / Schedule. However same minor item not mention in the tender documents but required to complete the work, the same may be consider as per applicable standard norms.

TERMS & CONDITION

1. The rates should be quoted excluding of GST.

2. No Extra charges for packing forwarding and insurance etc. will be paid by the department.

3. The rates should be quoted only for those items specified in schedule.

4. The decision of the Tender Inviting Officer for acceptance/rejection if any.

5 The tenderers should send in advance or enclose along with tender an amount of respectively against various Items as Earnest Money Deposit in form of FIXED DEPOSIT RECEIPT drawn from any schedule bank in favor of the **DNH Power Distribution Corporation Ltd.,** Silvassa. Tender received without Earnest Money Deposit will be summarily rejected.

6. The amount of Earnest Money paid by the tenderer(s) whose tender are not accepted will be refunded to them after Supply order will be placed with 1st lowest.

7. Only on satisfactory completion of the work/Supply payment of bills of the contractor as to be admitted for payment the amount of Security Deposit / Earnest Money Deposit will be refunded after expiry of guarantee/warranty period if any, of any such date/period as may be mutually agree upon.

8. No part payment will be made available/payment will be made after full completion of work.

9. The Earnest Money Deposit/Security Deposit(s) paid by the tenderer(s) earlier against any tender(s) or supply order's is/are not adjustable with Earnest Money or Security Deposit require by these condition.

10. All bills should be in DUPLICATE/TRIPLICATE and shall invariably mention the number and date of supply order.

11. The right to accept or reject without assigning any reason; any or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) or all matter relating to acceptance or rejection of the tenders as whole or in part will be final and binding to all.

12. The tender/offer received which do not confirm with the items & conditions of this office will be summarily rejected. However, if any firm desires to consider exception from payment of Earnest Money Deposit, certified copies of the Registration with DGS & D should be attached to their tenders.

13. If the tenderer whose tender is accepted & fails to execute the work as per order within stipulated time the Earnest Money Deposit of such tenderer will stand forfeited to the Government.

14. In case the supplier does not execute the supply order in full placed with him the EMD of the supplier will be forfeited to Government and the contract for the supply shall stand terminated within further liability on either party to the contract.

15. No separate agreement will be required to the signed by the successful tenderer for the purchase of the contract for supply. Rates tendered/offered in response to the concerned Tender/Quotation Notice shall be considered in acceptance of all above terms and condition for the supply for all legal purpose.

16. Documents comprising the Bid:

16.1 The Bidder shall complete the Bid form inclusive of Price Schedules, Technical Data Requirements etc. furnished in the Bidding Documents, indicating, for the goods to be supplied and services to be rendered, a brief description of goods and services, quantity and price.

16.2 The Bidder shall also submit documentary evidence to establish that the Bidder meets the Qualification Requirements as detailed in Special Conditions of Contract.

16.3 All Tender Documents/ formats are to be returned completed in all respects and signed by the Company Authorized Signatory wherever specified.

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17.0 Bid Price:

17.1 The Bidder shall indicate, in the appropriate price schedules, enclosed in bid proposal sheets, the unit prices excluding of duties and taxes of the goods, the price for erection, testing and commissioning, structural works and other services it proposes to furnish under the contract, along with the total bid price. The details of taxes and duties in case of direct transaction materials between the bidder and owner only shall be clearly indicated for each item in the prescribed format of price bid.

17.2 Detailed break up, covering all the price components of unit prices as well as total bid price, as stipulated in the appropriate price schedules of bid proposal sheet shall be provided by the bidder. This break up shall be entered separately in the following manner:-

A) For all goods offered:

i. The price of the goods quoted ex-factory/ex-works/ex-warehouse as applicable, inclusive of all duties, taxes and levies paid or payable on components, subassemblies and raw materials.

ii. Good & Service Tax, which will be payable by, the owner on the goods if this contract is awarded.

iii. Inland transportation charges including handling charges and other costs involving to delivery of the goods to their final destination, & insurance charges.

iv. The cost of erection, testing and commissioning & service Tax as well as associated, structural works.

17.3 The bidder's separation of price components in accordance with above clause No: 17.2 will be solely for the purpose of the facilitating the comparison of Bids by the owner, for contract price amendment due to quantity variation and for on account payments (in case of award) and shall not in any way limit the Owner's rights.

18. QUALIFYING DATA

The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initiated by the person or persons signing the bid.

Bids shall be submitted as under:

Cover-I Earnest Money Deposit , Tender Fees (as per tender notice)

Cover-II Qualifying Requirement and Technical Bid

All Bid documents duly signed & sealed shall be submitted with technical bid.

Cover-III Price Bid

Price offer as per Schedule

19.0 Sealing and marking of bids:

19.1 Cover-I
1. Bid No.
2. Due date for opening
3. Reference of tender fee & earnest money deposit

Cover-II
1. Bid No.
2. Due date for opening.
3. Qualifying Requirements and Technical Documents.

Cover-III
1. Bid No.
2. Price Bid and reference.

Cover-I, Cover-II & Cover III shall be individually sealed and super scribed as indicated above and should be enclosed in the main cover duly sealed and super scribed as Tender for …… against Bid No…… due on…… containing Cover-I, Cover-II, Cover-III & Cover IV of this tender.

The Bid shall be submitted by **RPAD or through speed post services or in person** at the Office of the **Executive Engineer, DNH POWER DISTRIBUTION CORPORATION LIMITED, SILVASSA** Bids submitted should be posted with due allowance for any postal delay. The Bids received after the Due Date and Time of opening are liable to be rejected. Telegraphic/Telex/Fax/e-mail Bids shall not be entertained.

THE ABOVE CONDITIONS ARE ACCEPTED AND BINDING TO ME/US.

Signature of Supplier

Sd/-
Executive Engineer,
DNHPDCL, Dadra and Nagar Haveli,
Silvassa.

Note:- Please return one copy of these condition duly signed alongwith your tender/quotation

AMENDED UPTO CON 248

के.लो.नि.वि / CPWD- 6

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT
निविदा आमंत्रण सूचना NOTICE INVITING TENDER

1. भारत के राष्ट्रपति की ओर से निम्नलिखित कार्यके लिए केन्द्रीय लोक निर्माण विभाग के अनुमोदित एवं पात्र ठेकेदारों (तथा उन ठेकेदारों से जो एम. ई. एस., भारत संचार निगम लिमिटेड, रेलवेज तथा ..... राज्य लोक निर्माण विभाग (बी एवं आर)/ अथवा राज्य लोक निर्माण विभाग (बी एवं आर) न की होने स्थिति में, राज्य सरकार का भवन तथा सड़को से संबंधित विभाग .... **(जो लागू न हो, उसे काट दें)** की समुचित सूची में हैं, प्रतिशत दर/मद दर निविदाएं आमंत्रित की जाती हैं।

Item rate / percentage rate tenders are invited on behalf of the President of India from approved and eligible contractors of CPWD and those of appropriate list of M.E.S., BSNL, Railways and ----------State P.W.D (B&R) or State Govt.'s Department ..... **(strike out as the case may be)** dealing with building and roads, if there is no state PWD (B & R) for the work of----------

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ठेकेदारों का पंजीकरण निविदाओं की बिक्री की अंतिम तिथि को वैद्य होना चाहिए।

The enlistment of the contractors should be valid on the last date of sale of tenders.

यदि केवल निविदाओं की बिक्री की अंतिम तिथि बढायी जाती है, तो ठेकेदार का पंजीकरण निविदाओं की बिक्री की मूल तिथि को वैद्य होना चाहिए।

In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tenders.

यदि आवेदन प्राप्ति की अंतिम तिथि एवं निविदाओं की बिक्री की तिथि, दोनों बढ़ायी जाती हैं, तो ठेकेदार का पंजीकरण दोनों तिथियों में से कोई यानी निविदाओं की बिक्री की मूल तिथि या निविदाओं की बिक्री की बढ़ायी गई तिथि, को वैद्य होना चाहिए।

In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two dates i.e. original date of sale of tender or on the extended date of sale of tenders.

1.1 कार्य की अनुमानित लागत रु. ..... है। तथापि, यह अनुमानित लागत मोटे तौर पर एक मार्ग निर्देश मात्र है।

The work is estimated to cost Rs..... This estimate, however, is given merely as a rough guide.

1.1.1 मिश्रित लागत वाली निविदा आमंत्रण सूचना को अनुमोदित करने वाला तथा मुख्य डिसिप्लेन का सक्षम प्राधिकारी, निविदाएं मंगवाने के लिए निविदा आमंत्रण सूचना का समेकन करेगा और वह उस मंडल को भी नामित करेगा जो निविदाएं आमंत्रित करने से संबंधित सभी मामलों को डील करेगा।

मिश्रित निविदा के मिश्रित अनुमान की लागत को दर्शाने के साथ–साथ प्रत्येक घटक की अलग अलर्ग अनुमानित लागत का उल्लेख भी किया जाए। निविदादाता की पात्रता, विभिन्न घटकों की लागत को मिलाकर मिश्रित अनुमानित लागत के अनुरूप होगी।

The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

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1.2 निविदाएं पात्र ठेकेदारों को जारी की जाएंगी, बशर्ते, वे समुचित प्राधिकारी से नीचे विनिर्दिष्ट परिमाण वाले समरूप कार्यों को संतोषजनक ढंग से पूरा किए जाने संबंधी निश्चित प्रमाण प्रस्तुत करें जो सक्षम प्राधिकारी की संतुष्टि के अनुसार हों :–

Tenders will be issued to eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

निविदा कागजात जारी करने हेतु पात्रता के मानदण्ड Criteria of eligibility for issue of tender documents

1.2.1 **यदि निविदाएं गैर – के. लो. नि. वि. ठेकेदारों के लिए भी खुली हों तो, केवल गैर– के. लो. नि. वि. ठेकेदारों के लिए शर्तें,**

15 करोड़ रू. की लागत तक के अनुमानित कार्यों के लिए।

पिछले 7 वर्षों में, अनुमानित लागत से प्रत्येक 40 प्रतिशत अन्यून मूल्य के तीन समरूप कार्य या अनुमानित लागत से प्रत्येक 50 प्रतिशत अन्यून मूल्य के दो समरूप कार्य या अनुमानित लागत से 80 प्रतिशत अन्यून मूल्य का एक कार्य (निकटतम 10 लाख रू. तक पूर्णांकित) जिनका समापन निविदाएं आमंत्रित किए जाने के माह से पिछले माह की अंतिम तारीख तक हो चुका हो।

टिप्पणी :– 3 करोड़ रूपयों से अधिक किन्तु 15 करोड़ रूपयों तक की लागत के निर्माण कार्यों के लिए, यदि निविदाएं गैर के. लो. नि. वि. ठेकेदारों के लिए भी खुली हो, तो उपर्युक्त 1.2.1 में विनिर्दिष्ट पात्रता मानदण्डों को पूरा करने वाले के.लो.नि.वि के श्रेणी 2 ठेकेदार भी उसके पात्र होंगे।

Conditions for Non – CPWD contractors only, if tenders are also open to non-CPWD contractors.

For works estimated to cost up to Rs. 15 Crore.

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 50% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

Note:- For works costing above Rs. 3 crore but up to Rs. 15 crore, when tenders are open to non- CPWD contractors also, then class II contractors of CPWD shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.

1.2.2 **के.लो.नि.वि. तथा गैर के.लो.नि.वि. ठेकेदारों के लिए पात्रता मानदण्ड।**

15 करोड़ रू. से अधिक अनुमानित लागत वाले निर्माण कार्यों के लिए।

पिछले 7 वर्षों में, अनुमानित लागत से प्रत्येक 40 प्रतिशत अन्यून मूल्य के तीन समरूप कार्य या अनुमानित लागत से प्रत्येक 60 प्रतिशत अन्यून मूल्य के दो समरूप कार्य या अनुमानित लागत से 80 प्रतिशत अन्यून मूल्य का एक कार्य (निकटतम 10 लाख रू. तक पूर्णांकित) जिनका समापन निविदाएं आमंत्रित किए जाने के माह से पिछले माह की अंतिम तारीख तक हो चुका हो।

निष्पादित निर्माण कार्यों की वास्तविक लागत को 7 प्रतिशत की वार्षिक साधरण दर पर बढ़ाकर वर्तमान लागत स्तर पर लाया जायेगा, जिसकी संगणना कार्य पूरा होने की तारीख से निविदा के लिए आवेदन करने की अंतिम तारीख तक के हिसाब से की जायेगी।

Criteria of eligibility for CPWD as well as non-CPWD contractors.

For works estimated to cost above Rs. 15 crore.

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of receipt of applications for tender

2. सफल निविदाकारों के साथ, निर्धारित प्रपत्र सं के. लो. नि. वि. 7/8 पर, जो कि भारत सरकार के प्रकाशन के रूप में उपलब्ध है, करार किया जाएगा, निविदाकार उक्त प्रपत्र के विभिन्न निबंधन एवं शर्तों के अनुसार अपनी दरें बताएगा।

Agreement shall be drawn with the successful tenderer on prescribed Form No. C.P.W.D. 7/8 which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. निर्माण कार्य पूरा करने के लिए अनुमत्य समय ..... अनुसूची 'च' में परिभाषित कार्य आरम्भ करने की तारीख से अथवा निविदा कागजात में सूचित चरणों, यदि कोई हों, के अनुसार, कार्यस्थल सौंपे जाने के प्रथम दिन से, जो भी बाद में हो, होगा।

The time allowed for carrying out the work will be ..... from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

4. कार्य हेतु कार्य स्थल उपलब्ध है। The site for the work is available.

अथवा OR

कार्य हेतु कार्यस्थल नीचे लिखे अनुसार भागों में उपलब्ध करा दिया जाएगा :–

The site for the work shall be made available in parts as specified below:-

_____

5. प्रपत्र जारी करने हेतु आवेदन ..... (शाम 4 बजे तक) प्राप्त किए जाएंगे तथा निविदा दस्तावेज .... (शाम 4 बजे तक) जारी किए जाएंगे।

Applications for issue of forms shall be received by ..... (4 PM) and tender documents shall be issued by ..... (4 PM)

रेखांक, विनिर्देश, कार्य के विभिन्न वर्गों के लिए मात्राओं की अनुसूची के सहित निविदा कागजात एवं ठेके की शर्तों का सैट जिनका उस ठेकेदार द्वारा अनुपालन किया जाना है, जिसकी निविदा स्वीकृत हो जाए तथा अन्य आवश्यक कागजात रविवार एवं सार्वजनिक छूट्टियों को छोड़कर, प्रति दिन ..... से ..... तक 11 बजे पूर्वाह्न से 4 बजे अपराह्न के बीच ..... के कार्यालय में देखे जा सकते हैं। मानक प्रपत्र को छोड़कर, निविदा कागजात उक्त कार्यालय से ऊपर निर्दिष्ट समय के दौरान, निविदा की लागत के तौर पर ..... रूपये नगद का भुगतान कर प्राप्त किए जा सकेंगे।

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contracter whose tender may be accepted and other necessary documents can be seen in the office o between hours of 11.00 A.M. & 04.00 P.M. from..... to..... everyday except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of Rs. ..... in cash as cost of tender.

6. (i) निविदाओं के साथ नकद (10,000/– रू तक)/ट्रैजरी चालान रसीद/किसी अनुसूचित बैंक की मांग जमा रसीद/किसी अनुसूचित बैंक की सावधि जमा रसीद/किसी अनुसूचित बैंक के डिमांड ड्राफ्ट के रूप मे, ... के पक्ष में देय ..... धरोहर राशि संलग्न होनी चाहिये। बयाना राशि का 50 प्रतिशत या 20 लाख रूपये, जो भी कम हो, ऊपर निर्धारित रूप में होगा तथा धरोहर राशि की शेष रक्म अनुसूचित बैंक द्वारा जारी बैंक गारंटी (जिसकी वैधता निविदाओं के प्राप्त करने की अंतिम तारीख से 6 मास या अधिक होगी) के रूप में स्वीकार की जा सकती है।

Tenders shall be accompanied with Earnest money of Rs. ..... in cash(upto Rs. 10000/-) /Receipt Treasury Challan/Deposit at Call receipt of a scheduled bank/fixed deposit receipt of a scheduled bank/ demand draft of a scheduled bank issued in favour of..... 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in the shape prescribed above and balance amount of earnest money can be accepted in the form of Bank guarantee issued by a scheduled bank having validity for 6 months or more from the last date of receipt of tenders.

(ii) निविदा तथा धरोहर राशि, पृथक मुहरबंद लिफाफों में रखी जायेगी तथा प्रत्येक पर अलग–अलग "निविदा" तथा "बयाना राशि" चिन्हित होगा। ऐसे मामले में जहाँ धरोहर राशि नकद रूप में मान्य हो, उसे मंडल के रोकड़िया के पास जमा कराया जायेगा तथा लिफाफे में बयाना राशि के लिये रसीद रखी जायेगी। दोनो लिफाफों को एक साथ दूसरे मुहरबंद लिफाफे में रखकर, कार्य का नाम तथा उसे खोलने की देय तिथि लिखकर प्रस्तुत किया जायेगा जिसे ..... द्वारा तारीख ..... तक 3.00 बजे सायं तक प्राप्त किया जायेगा और उसी दिन 3.30 बजे सायं उनके द्वारा या उनके प्राधिकृत प्रतिनिधि द्वारा अपने कार्यालय में खोला जाऐगा। "निविदा" चिन्हित लिफाफे केवल उन ठेकेदारों के खोले जायेंगे जिनके दूसरे लिफाफे में रखी गई धरोहर राशि सुव्यवस्थित व सही होगी।

(ii) The tender and the earnest money shall be placed in separate sealed envelopes, each marked "Tender" and "Earnest Money" respectively. In cases where earnest money in cash is acceptable, the same shall be deposited with the Cashier of the Division and the receipt placed in the envelope meant for earnest money. Both the envelopes shall be submitted together in another sealed envelope with the name of work and due date of opening written on envelope, which will be received by the..... upto 3.00 P.M. on..... and will be opened by him or his authorized representative in his office on the same day at 3.30 P..M The envelope marked "Tender" of only those tenderers shall be opened, whose earnest money, placed in the other envelope, is found to be in order.

7. जिस ठेकेदार की निविदा स्वीकार कर ली जाएगी, वह अनुसूची 'च' में विनिर्दिष्ट अवधि के भीतर निविदित राशि के 5% (पांच प्रतिशत) की निष्पादन गांरटी उपलब्ध कराएगा। यह गारंटी निर्धारित प्रपत्र के अनुसार रोकड़ (यदि गांरटी राशि 10,000 रूपयों से कम हो) या किसी अनुसूचित बैंक की कॉल रसीद पर जमा/किसी अनुसूचित बैक के बैंकर चैक/किसी अनुसूचित बैंक के डिमांड ड्राफ्ट/किसी अनुसूचित बैंक के अदायगी आदेश (यदि गांरटी राशि 1,00,000 रूपयों से कम हो) या किसी भी अनुसूचित बैंक या भारतीय स्टेट बैंक की सरकारी प्रतिभूति या सावधिक जमा रसीद या गांरटी बंधपत्र के रूप में होगी। यदि ठेकेदार अनुसूचि "च" में दर्शाई गई.अविध, जिसमें बढ़ाई गई अवधि यदि कोई हो, भी सम्मिलित है, के भीतर उक्त निष्पादन प्रतिभूति को जमा (निक्षेप) कराने में असफल रहता है तो ठेकेदार द्वारा जमा की गई धरोहर राशि को ठेकेदार को बिना कोई नोटिस दिये अपने आप जब्त कर लिया जायेगा।

The Contractor whose tender is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

8. कार्य का ब्यौरा इस प्रकार है :

The description of the work is as follows:

निविदाकारों द्वारा जांच के लिए कार्यों से संबंधित अन्य नक्शों तथा कागजातों की प्रतियां उपर्युक्त अधिकारी के कार्यालय में खोली जाएंगी।

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

निविदाकारों को सलाह दी जाती है कि वे निविदा प्रस्तुत करने के पहले कार्यस्थल एवं उसके आस पास की जगह, जमीन की प्रकृति एवं अनमृदा (जहां तक व्यवहार्य हो), कार्य स्थल का रूप एवं प्रकृति, कार्य स्थल तक पहुंचने के साधन, स्थान जो उन्हें चाहिए उसका निरीक्षण व जांच करलें तथा जोखिम, आकस्मिकता एवं अन्य परिस्थितियों से, जो निविदा को प्रभावित कर सकती हैं, संबंधित आवश्यक जानकारी स्वयं प्राप्त कर, सन्तुष्ट हो लें। यह माना जायेगा कि निविदाकार को कार्यस्थल के बारे में पूरी जानकारी है, चाहे उसने इसका निरीक्षण किया हो या नहीं, तथा बाद में किसी भ्रांति या अन्य बातों के लिए कोई अतिरिक्त प्रभार अनुमत्य नहीं होगा। कार्य निष्पादन हेतु सभी प्रकार की सामग्री, औजार एवं संयंत्र, जल, बिजली लाने के साधन, कामगारों के लिए सुविधाएं तथा अन्य अपेक्षित सेवाओं का प्रबन्ध करने तथा उनके रख रखाव का उत्तरदायित्व स्वयं निविदाकार का होगा, जब तक अन्यथा विशेष रूप से करार में इसका उल्लेख न किया गया हो। निविदाकार द्वारा निविदा प्रस्तुत करना यह सूचित करता है कि उसने इस सूचना एवं अन्य सभी करार–दस्तावेजों को पढ़ लिया है तथा उसे किए जाने वाले कार्य का अभिप्राय एवं विनिर्देशों, शर्तों व दरें जिन पर सरकार द्वारा उन्हें सामान, औजार एवं संयंत्र आदि दिए जाएंगे तथा स्थानीय स्थितियां और अन्य कारक जो कार्य में निष्पादन पर प्रभाव डालें, के बारे में पूरी जानकारी है।

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for

arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. सक्षम प्राधिकारी, भारत के राष्ट्रपति की ओर से न्यूनतम या किसी अन्य निविदा को स्वीकार करने के लिए अपने आप को आबद्ध नहीं करते हैं और प्राप्त हुई किसी भी निविदा या सभी निविदाओं को बिना कारण बताए अस्वीकार करने का अधिकार अपने पास सुरक्षित रखते हैं। ऐसी सभी निविदाओं को जिनमें विहित शर्तें पूरी नहीं की गई हों अथवा निविदाकार द्वारा सशर्त छूट दिए जाने सहित किसी शर्त को रखा गया हो, अस्वीकार कर दिया जाएगा।

The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

10. निविदाओं के मामले में किसी भी प्रकार का प्रत्यक्ष या अप्रत्यक्ष प्रेरण का पूर्णतया निषेध है तथा उन ठेकेदारों की निविदाएं, जो प्रेरण का सहारा लेंगे, अस्वीकार कर दी जाएंगी।

Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

11. सक्षम प्राधिकारी, भारत के राष्ट्रपति की ओर से पूरी निविदा या उसके किसी भाग को स्वीकार करने का अधिकार अपने पास सुरक्षित रखते हैं तथा निविदाकार, कथित दर पर निष्पादन के लिए बाध्य होगा।

The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

12. ठेकेदार को के. लो. नि. वि. परिमंडल (उद्यान / नर्सरी श्रेणी के ठेकेदारों के मामले में मंडल) जिसमें उसका नजदीकी रिश्तेदार मंडल लेखाकार या अधीक्षण इंजीनियर एवं कनिष्ठ इंजीनियर (दोनों को मिलाकर) की श्रेणियों के बीच किसी भी हैसियत के अधिकारी के रूप में तैनात हो, कार्यों के लिए निविदा देने की आज्ञा नहीं होगी। वह उन व्यक्तियों के नामों की भी सूची देगा जो किसी भी हैसियत में उसके साथ कार्य कर रहे हों या जिन्हें उसके द्वारा बाद में भर्ती किया गया हो तथा जो केन्द्रीय लोक निर्माण विभाग या शहरी विकास मंत्रालय में कार्यरत किसी राजपत्रित अधिकारी के नजदीकी रिश्तेदार हों। यदि ठेकेदार इस शर्त को भंग करेगा तो उसका नाम इस विभाग की ठेकेदारों की अनुमोदित सूची से हटा दिया जाएगा।

The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

13. भारत सरकार के किसी इंजीनियरी विभाग में इंजीनियरी या प्रशासनिक कार्यों में लगे हुए राजपत्रित रैंक के किसी इंजीनियर को या किसी अन्य राजपत्रित अधिकारी को सरकारी नौकरी से सेवा मुक्त होने पर एक साल तक, भारत सरकार की पूर्व लिखित अनुमति बिना ठेकेदार की हैसियत से काम करने की अनुमति नहीं है। यदि किसी समय यह पाया गया कि ठेकेदार या उसका कोई कर्मचारी, ऐसा व्यक्ति है जिसने निविदा प्रस्तुत करने से पहले या ठेकेदार की सेवा में लगने के पहले भारत सरकार से अनुमति नहीं ली थी, तो यह ठेका रद्द किया जा सकता है।

No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This

contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

14. कार्यों के लिए निविदा, निविदाओं के खुलने की तारीख से नब्बे (90) दिन/यदि निविदायें 2/3 लिफाफे पद्धति से आमंत्रित की गयी हों तो वित्तीय बोली खुलने की तारीख से 90 दिन तक **(जो लागू न हो उसे काट दें)** स्वीकृति हेतु खुली रहेगी। यदि कोई निविदाकार उक्त अविध के पहले या स्वीकृति पत्र जारी होने के पहले, जो भी पहले हो, से पहले अपनी निविदा वापिस ले लेता है या निविदा की शर्तों ओर निबंधनों में कोई संशोधन करता है, जो विभाग को स्वीकार्य नहीं है, तो सरकार किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना ऊपर किए गए उल्लेख के अनुसार उक्त धरोहर राशि का 50 प्रतिशत जब्त करने के लिए स्वंतत्र होगी। इसके अतिरिक्त, निविदाकार को पुनः निविदा प्रक्रिया में भाग लेने की अनुमति नहीं दी जाएगी।

The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders/Ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system **(strike out as the case may be)** If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.

15. यह निविदा आमंत्रण सूचना, करार दस्तावेज का एक हिस्सा होगी। सफल निविदाकार/ठेकेदार, स्वीकारकर्ता प्राधिकारी द्वारा निविदा स्वीकार किए जाने के बाद कार्य प्रांरभ किए जाने की निर्धारित तिथि से 15 दिनों के भीतर निम्नलिखित को शामिल करते हुए संविदा पर हस्ताक्षर करेगा :–

This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

(क) निविदा आमंत्रण सूचना, अतिरिक्त शर्तों सहित सभी कागजात, विनिर्देश एवं नक्शे, यदि कोई हों, जो निविदा आमंत्रण के समय निविदा के रूप में जारी किए गए हों तथा इस बारे में किए गए किसी पत्राचार सहित इसकी स्वीकृति।

(a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

(ख) मानक के. लो. वि. प्रपत्र संख्या 7/8

(b) Standard C.P.W.D. Form 7/8

16. मिश्रित संविदाओं के लिए

For Composite Tenders

16.1.1 जिस कार्यपालक अभियंता के पास कार्य का अधिकतम प्रभार है, वह संयुक्त कार्य के लिए निविदाएं आमंत्रित करेगा। निविदा दस्तावेज की लागत तथा धरोहर राशि का निर्धारण संयुक्त निविदा के लिये निविदत्त संयुक्त अनुमानित लागत के अनुसार किया जाएगा।

The Executive .Engineer in charge of the major component will call tenders for the composite work. The cost of tender document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite tender.

16.1.2 निविदा दस्तावेज में निम्नलिखत तीन हिस्से सम्मिलित होंगे :–

The tender document will include following three components:

भाग क :– फॉर्म के. लो. नि. वि. –6, के. लो. नि. वि. 7/8 जिसमें कार्य के मुख्य हिस्से से संबंधित अनुसूचि 'क' से 'च' को सम्मिलित किया गया है, के. लो. नि. वि. 2010 या नवीनतम संस्करण से संबंधित संविदा की मानक सामान्य शर्तें, जैसाकि सभी संशोधनों/आशोधनों सहित लागू हों।

Part A :- CPWD -6, CPWD – 7/8 including schedule A to F for major component of the work, Standard General Conditions of Contract for CPWD 2010 or latest edition as applicable with all amendments/modifications.

भाग ख :– कार्य के मुख्य हिस्से पर लागू सामान्य/विशिष्ट शर्तें, विनिर्देश तथा मात्राओं की अनुसूची।

Part B:- General/specific conditions, specifications and schedule of quantities applicable to major component of the work.

भाग ग :– कार्य के छोटे हिस्से से संबंधित अनुसूची 'क' से 'च' (मुख्य अवयव के प्रभारी अधीक्षण अभियंता/कार्यपालक अभियंता खण्ड 2 और खण्ड 5 के तहत सक्षम प्राधिकारी भी होंगे, जैसाकि मुख्य हिस्से से संबंधित अनुसूची 'क' से 'च' में उल्लिखित है), कार्य के छोटे हिस्से पर लागू सामान्य/विशिष्ट शर्तें, विनिर्देश तथा मात्राओं की अनुसूची

Part C:- Schedule A to F for minor component of the work, (SE/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components) General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

16.1.3 निविदाकार स्वयं को ऐसी एजेंसियों के साथ सहयोजित करें जो समुचित श्रेणी की हों तथा प्रत्येक छोटे हिस्से के लिए अलग–अलग निविदा करने की पात्र हों।

The tenderer must associate with himself, agencies of the appropriate class eligible to tender for each of the minor component individually.

16.1.4 पात्र निविदाकार, मुख्य अवयव की सभी मदों के साथ–साथ, कार्य के लघु अवयव की सभी मदों की दरें भी बतायेगें। (मात्राओं की अनुसूची, शर्तें तथा विशिष्ट शर्तें आदि)

The eligible tenderers shall quote rates for all items of major component as well as for all items of minor components of work. It will be obligatory on the part of the tenderer to sign the tender document for all the components (The schedule of quantities, conditions and special conditions etc.).

16.1.5 सक्षम प्राधिकारी द्वारा निविदा स्वीकृत किए जाने के पश्चात, कार्य के मुख्य भाग के प्रभारी अभियंता भारत के राष्ट्रपति की ओर से अधिनिर्णय (अवार्ड पत्र) जारी करेंगे। कार्य प्रदान किए जाने के पश्चात, मुख्य ठेकेदार को मुख्य हिस्से के प्रभारी कार्यपालक अभियंता के साथ एक करार करना होगा तथा करार की दो या अधिक प्रतियों पर हस्ताक्षर भी करने होंगे जो लघु हिस्सों के प्रभारी कार्यपालक अभियंताओं/उद्यान उप महानिदेशकों की संख्या पर निर्भर करेगा। करार का एक ऐसा हस्ताक्षरित सैट, कार्य के छोटे हिस्से के प्रभारी कार्यपालक अभियंता/उद्यान उप महानिदेशक को सौंप दिया जाएगा। कार्य के मुख्य हिस्से के कार्यपालक अभियंता करार के भाग 'क' तथा भाग 'ख' का प्रचालन करेंगे। छोटे हिस्से के प्रभारी कार्यपालक अभियंता करार के भाग 'क' के साथ–साथ भाग 'ग' का प्रचालन करेंगे।

After acceptance of the tender by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component. EE of major component will operate part A and part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.

16.1.6 मुख्य तथा सभी लघु हिस्सों सहित संयुक्त निविदा के कार्यक्षेत्र के अंतर्गत संपूर्ण कार्य का निष्पादन एक करार के तहत किया जाएगा।

Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.

16.1.7 प्रतिभूति जमा का निर्धारण प्रत्येक हिस्से के लिए अलग से किया जाएगा और यह कार्यों के संबंधित भाग की अनुमानित लागत के अनुरूप होगा। धरोहर राशि कार्य के बड़े हिस्से के प्रतिभूति जमा का भाग बन जाएगी।

Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major component of work.

16.1.8 मुख्य ठेकेदार को छोटे हिस्से के लिए एक ऐसी एजेंसी के साथ जुड़ना होगा जो निविदा दस्तावेज में परिभाषित पात्रता मानदण्डों को पूरा करती हो और उसे ऐसी एजेंसी (यों) का विवरण निर्धारित समय सीमा के भीतर लघु भाग (ओं) के प्रभारी अभियंता को प्रस्तुत करना होगा। संबंद्व की जाने वाली एंजेसी (यों) का नाम लघु हिस्से के प्रभारी अभियंता द्वारा अनुमोदित किया जाएगा।

The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the tender document and has to submit detail of such agency(s) to Engineer-in-Charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of minor component(s)

16.1.9 यदि संविदा के प्रचालन के दौरान मुख्य ठेकेदार उपर्युक्त एजेंसी/एजेंसियों में से किसी को बदलने की इच्छा रखता है, तो उसे लघु हिस्से के प्रभारी अभियंता का पूर्व अनुमोदन प्राप्त करना होगा। नई एंजेसी/एजेसियों को भी निर्धारित पात्रता मानदण्डो को पूरा करना होगा। यदि प्रभारी अभियंता किसी भी एंजेसी के निष्पादन से संतुष्ट नहीं हो, तो वह ठेकेदार को कार्य की ऐसी मदों को निष्पादित करने वाली एजेंसी को बदलने के निर्देश दे सकता है और यह ठेकेदार पर बन्धनकारी होगा।

In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-Charge of minor component. The new agency/ agencies shall also have to satisfy the laid down eligibility criteria . In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

16.1.10 मुख्य ठेकेदार को छोटे हिस्से के निष्पादन के लिए उसके द्वारा संबद्व ठेकेदार (रों) के साथ करार करना होगा। इस करार की प्रति प्रत्येक छोटे हिस्से के प्रभारी कार्यपालक अभियंता/डी.डी.एच. के साथ-साथ मुख्य हिस्से के प्रभारी कार्यपालक अभियंता को भी प्रस्तुत की जाएगी। यदि संबंद्व ठेकेदार को बदला जाता है, तो मुख्य ठेकेदार को उसके द्वारा संबंद्व नए ठेकेदार के साथ करार करना होगा।

The main contractor has to enter into agreement with the contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/DDH in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him

16.1.11 मुख्य हिस्से के लिए मुख्य ठेकेदार को चालू भुगतान, कार्य के बड़े भाग कार्यपालक अभियंता द्वारा किया जाएगा। लघु हिस्सों के लिए चालू भुगतान, लघु हिस्से के प्रभारी अभियंता द्वारा मुख्य ठेकेदार को सीधे ही कर दिया जाएगा।

Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main contractor.

16.1.12 सपूर्ण कार्य के अंतिम बिल को अंतिम रूप तथा उसका भुगतान, मुख्य हिस्से के कार्यपालक अभियंता द्वारा किया जाएगा। छोटे हिस्से के प्रभारी अभियंता अपने कार्य के हिस्से के लिए बिल तैयार करेगा और अंतिम बिल पारित करेगा तथा इसी बिल को मुख्य हिस्से के कार्यपालक अभियंता को भेजेगा ताकि इसे संयुक्त संविदा हेतु अंतिम बिल में सम्मिलित करके पास किया जा सके।

Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

CPWD FORM 6 :- CORRECTION SLIP No. 1

Vide DGW/CON/250 dt. 29.3.2010

Following para stands added after para 1.2.2: -

Para 1.2.3 – To become eligible for issue of tender, the tenderer shall have to furnish an affidavit as under: -

"I/We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee."

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भारत सरकार **GOVERNMENT OF INDIA**

केन्द्रीय लोक निर्माण विभाग **CENTRAL PUBLIC WORKS DEPARTMENT**

राज्य STATE — परिमंडल CIRCLE

शाखा BRANCH — मंडल DIVISION

अंचल ZONE — उप–मंडल SUB-DIVISION

कार्यों के लिए प्रतिशत दर/मद दर निविदा एवं संविदा

Percentage Rate Tender/Item Rate Tender & Contract for Works

(क) कार्य के लिए निविदा:–

(A) Tender for the work of:-

_____

_____

(i) (क) दिनांक .....को .....बजे.....

....के कार्यालय में प्रस्तुत की जानी है।

To be submitted by _____ hours on _____ to

(time) (date)

_____

(ii) (ख) उन निविदाकारों के समक्ष खोली जाएगी जो दिनांक .....को .....बजे.....

.....के कार्यालय में उपस्थित रहेंगे।

To be opened in presence of tenderers who may be present at _____ hours on _____

in the office of _____

सेवा में प्रेषित Issued to: _____

(ठेकेदार) (contractor)

कागजात जारी करने वाले अधिकारी के हस्ताक्षर

Signatures of officer issuing the documents _____

पद Designation _____

जारी करने की तारीख Date of Issue: _____

निविदा TENDER

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची– क, ख, ग, घ, ङ, और च लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

मैं/हम, एतद्द्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा–मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरुप तथा सामान्य नियमावली के नियम–1 और ठेके की शर्तो के खण्ड–11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती हैं और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरुप निष्पादन हेतु निविदा देता हूं/देते हैं।

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

हम निविदा को, इसके खोले जाने की निर्धारित तारीख से 90 (नब्बे) दिन/यदि निविदायें 2/3 लिफाफे पद्धति से आमंत्रित की गयी हों तो वित्तीय बोली खुलने की तारीख से 90 (नब्बे) दिन **(जो लागू न हो उसे काट दें)** के लिए खुला रखने तथा इसकी शर्तों एवं निबंधनों में किसी प्रकार का परिवर्तन न करने के लिए सहमत हैं।

We agree to keep the tender open for ninety (90) days from the due date of its opening/ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system **(strike out as the case may be)** and not to make any modifications in its terms and conditions.

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रु. .....की धनराशि, धरोहर राशि के रुप में नकद/ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/अनुसूचित बैंक की सावधी जमा रसीद/अनुसूचित बैंक का डिमांड ड्राफ्ट/अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रुप में एतत्द्वारा अग्रेषित की जाती है। यदि मैं /हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/हम यह मंजूर करते हैं कि भारत के उक्त राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारम्भ करने में असफल रहते हैं, तो मैं/हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति–निक्षेप के रुप में रोक ली जाएगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशी या बयाना राशी तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of Rs.....is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/ fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

मैं/हम एतत्द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रुप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हों, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रुप में प्रयोग नही करेंगे जो राज्य सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/ confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/we am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

तारीख Dated.....

ठेकेदार के हस्ताक्षर Signatures of Contractor

डाक का पता Postal Address

साक्षी Witness:

पता Address:

उपजीविका Occupation:

केन्द्रीय लोक निर्माण विभाग

स्वीकृति ACCEPTANCE

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए रु. .....(रुपए .....) की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूं।

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. _____ (Rupees _____)

नीचे दिये गए पत्र इस ठेका करार का हिस्सा होंगे।

The letters referred to below shall form part of this contract Agreement:-

(i)

(ii)

(iii)

भारत के राष्ट्रपति की ओर से तथा उनके लिए

For & on behalf of President of India.

हस्ताक्षर Signatures.....

पदनाम Designation.....

तारीख Dated.....

अनुसूचियां SCHEDULES

अनुसूची 'क' SCHEDULE 'A'
मात्राओं की अनुसूची (संलग्न)
Schedule of quantities (Enclosed)

अनुसूची 'ख' SCHEDULE 'B'
ठेकेदार को निर्गत की जाने वाली सामग्रियों की अनुसूची
Schedule of materials to be issued to the contractor.

क्रम सं0 S. No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभारित होगी वह दर अंकों या शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5

अनुसूची 'ग' SCHEDULE 'C'
ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयत्र
Tools and plants to be hired to the contractor

क्रम सं0 Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज,यदि कोई हों, की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any

अनुसूची (ड) SCHEDULE 'E'

ठेके की सामान्य शर्तों का संदर्भ/ Reference to General Conditions of contract.

कार्य का नाम Name of work: _____

_____

कार्य की अनुमानित लागत Estimated cost of work:	रु Rs. _____
(i) धरोहर राशि Earnest money:	रु Rs. _____
(ii) निष्पादन गारंटी Performance Guarantee	निविदित्त मूल्य का 5 प्रतिशत 5% of tendered value
(iii) प्रतिभूत निक्षेप Security Deposit	निविदित्त मूल्य का 5 प्रतिशत 5% of tendered value

अनुसूची 'च' SCHEDULE 'F'

सामान्य नियम एवं दिशानिर्देश General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी
Officer inviting tender

कार्य की मदों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मदों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के निम्नानुसार Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.	निम्नानुसार see below

परिभाषाएं Definitions

2(v)	भारसाधक इंजीनियर Engineer-in-Charge	_____
2(viii)	स्वीकार कर्त्ता प्राधिकारी Accepting Authority	_____
2(x)	अतिरिक्त और लाभों को पूरा करने के लिए सामग्रियों की लागत पर प्रतिशतता Percentage on cost of materials and labour to cover all overheads and profits.	15%
2(xi)	दरों की मानक अनुसूची Standard Schedule of Rates	_____
2(xii)	विभाग Department	_____
9(ii)	मानक के. लो. नि. वि. ठेका फार्म Standard CPWD contract Form	_____ तक संशोधित और शोधित के. लो. नि. वि. फार्म 7/8 CPWD form 7/8 as modified & corrected upto _____

खण्ड Clause 1

(i)	स्वीकृती पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	_____ दिन days
(ii)	(उपर्युक्त i) में दी गई अवधि के पश्चात अधिकतम अनुमेय एक्सटेंशन Maximum allowable extension beynod the period (provided in i) above	_____ दिन days

खण्ड Clause 2

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी
Authority for fixing compensation under clause 2. _____

खण्ड 2क / Clause 2A

क्या खण्ड 2 क लागू होगा
Whether clause 2A shall be applicable — हां Yes/नहीं No

खण्ड Clause 5

कार्य आरम्भ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या
Number of days from the date of issue of letter of acceptance for reckoning date of start _____ दिन days

लक्ष्य नीचे दी गई सारणी के अनुसार Mile stone(s) as per table given below:-

लक्ष्य (मील–पत्थर) सारणी/ Table of Mile Stone(s)

क्रम सं. Sl . No.	लक्ष्य का विवरण (वास्तविक) Description of Milestone (Physical)	अनुमत्व समय, दिनों में (कार्य आरम्भ की तारीख से) Time Allowed in days (from date of start)	लक्ष्य प्राप्त न होने की स्थिति में रोके जाने वाली राशि Amount to be withheld in case of non achievement of milestone
1.			
2.	1/8" Progress	1/4" of Stipulated	1% of Tendered Amount
3.	3/8" Progress	1/2"th of Stipulated Time	1% of Tendered Amount
4.	3/4" Progress	3/4"th of Stipulated Time	1% of Tendered Amount
5.	Full Progress	Full of Stipulated Time	1% of Tendered Amount
6.			

कार्य निष्पादित करने के लिए अनुमत्य समय / Time allowed for execution of work. .....

निर्णायक प्राधिकारी

(1) समय विस्तार ..... (प्रभारी अभियंता या संयुक्त संविदा के मामले में कार्य के मुख्य हिस्से के प्रभारी अभियंता, जैसा भी मामला हो।)

(2) उपलब्धियों का पुनः अनुसूचिकरण ..... (प्रभारी अधीक्षण अभियता, या संयुक्त संविदा के मामले में कार्य के बड़े अवयव के प्रभारी अधीक्षण अभियता, जैसा भी मामला हो।)

Authority to decide:

(i) Extension of time ..... As per CPWD Manual Vol-II (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be.)

(ii) Rescheduling of mile stones ..... As per CPWD Manual Vol.-II (Superintending Engineer in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be.)

खंड 6, 6क Clause 6, 6A

खंड लागू– (6 या 6क)/Clause applicable–(6 or 6A) .....

खण्ड Clause 7

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य .....

Gross work to be done together with net payment/adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment

खंड 10 क Clause 10A

कार्यस्थल प्रयोगशाला में ठेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची

List of testing equipment to be provided by the contractor at site lab.

1. ..... 2. .....

3. ..... 4. .....

5. ..... 6. .....

खण्ड 10 ख (ii) Clause 10 B (ii)

क्या खण्ड 10 ख (ii) लागू होगा ..... हाँ Yes/नहीं No

Whether Clauses 10 B (ii) shall be applicable

खण्ड–10 ग **Clause 10C**

श्रम घटक को कार्य के मूल्य के ..... प्रतिशत के रूप में अभिव्युक्त किया गया है।

Component of labour expressed as percent of value of work = ...%

खण्ड गक **Clause 10CA**

	इस खण्ड में प्रावधित सामग्री Materials Covered under this clause:	सामग्री (सीमेंट, प्रबलन छड़ें तथा ढांचागत स्टील के सिवाय) जो अखिल भारतीय थोक मूल्य सूचकांक के सर्वाधिक अनुरूप है Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be followed:	खण्ड 10 ग क के अंतर्गत समाविष्ट सभी सामग्रियों की मूल कीमतें * Base Price of all the Materials covered under clause 10 CA*
1.	.....	.....	.....
2.	.....	.....	.....
3.	.....	.....	.....
4.	.....	.....	.....

* खंड 10 ग क के अंतर्गत समाविष्ट सभी सामग्रियों की मूल कीमतों का वर्णन एन.आई.टी. के अनुमोदन के समय किया जाना है।

* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT.

खण्ड 10 गग **Clause 10CC**

खण्ड 10 गग उन संविधाओं पर लागू होगा जिसमें कार्य समापन की अवधि अगले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column _____ महीने months

मूल्य वृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल. आदि के घटकों की अनुसूची।

Schedule of component of other Materials, Labour, POL etc. for price escalation.

निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग क के अंतर्गत शामिल सामग्रियों को छोड़कर) /वैद्युत कार्य घटक–कार्य में कुल मूल्य के प्रतिशत के रुप में प्रदर्शित **Xm.....%**

Component of civil (except materials covered under clause 10 CA)/Electrical construction Materials-expressed as percent of total value of work.

श्रम के घटक–कार्य के कुल मूल्य के प्रतिशत के रुप में प्रदर्शित **Y.....%**

Component of labour- expressed as per cent of total value of work.

पी.ओ.एल. के घटक – कार्य के कुल मूल्य के प्रतिशत के रुप में प्रदर्शित **Z.....%**

Component of P.O.L. - expressed as percent of total value of work.

खण्ड **Clause 11**

कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश

Specifications to be followed for execution of work **CPWD Latest Specification**

खण्ड Clause 12

12.2 & 12.3 विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे
Deviation limit beyond which clauses 12.2 &12.3 shall apply for building work _____

12.5 वह विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 नींव कार्य के लिए लागू होंगे
Deviation limit beyond which clauses 12.2 &12.3 shall apply for foundation work _____

खण्ड Clause 16

घटी हुई दरें निर्धारित करने के लिए समक्ष प्राधिकारी
Competent Authority for deciding reduced rates. _____

खंड– Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी, औजार एव संयंत्रों की सूचीः–
List of mandatory machinery, tools & plants to be deployed by the contractor at site:-

1. ..... 2. .....
3. ..... 4. .....
5. ..... 6. .....

खण्ड Clause 36 (i)

क्रम सं0 Sl. No.	तकनीकी प्रतिनिधि की न्यूनतम योग्यता Minimum Qualification of Technical Representative	विधा Discipline	पदनाम (प्रमुख तकनीकी/ तकनीकी प्रतिनिधि Designation (Principal Technical /Technical representative)	न्यूनतम अनुभव Minimum Experience	संख्या Number	खण्ड 36 (1) के प्रावधानों को पूरा न किए जाने की स्थिति में ठेकेदार से की जाने वाली वसूली की दर Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						अंको में Figures	शब्दों में Words
1.							
2.							
3.							
4.							
5.							

सरकारी सेवा से सेवानिवृत्ति वे सहायक इंजीनियर जो डिप्लोमाधारक हों ग्रेजुएट इंजीनियर के बराबर माने जाएंगे।
Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

खण्ड **Clause 42**

(i) (क) के. लो. नि. वि. द्वारा मुद्रित दिल्ली दर अनुसूची के आधार पर सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची/विवरण _____

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates _____ printed by C.P.W.D.

(ii) अनुमानमूलक मात्राओं में अनुमत्य विचलन
Variations permissible on theoretical quantities.

(क)	सीमेंट जिन कार्यो के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक न हो	3 प्रतिशत अधिक/कम
(a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	3% plus/minus
	जिन कार्यो के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक हो	2 प्रतिशत अधिक/कम
	for works with estimated cost put to tender more than 5 lakhs	2% plus/minus
(ख)	बिटुमन सभी कार्यो के लिए	2.5 प्रतिशत केवल अधिक और कम के पक्ष में शून्य
(b)	Bitumen for all works	2.5% plus only & nil on minus side
(ग)	इस्पात प्रत्येक व्यास, काट और श्रेणी के लिए पुनर्बलन और संरचनात्मक इस्पात काट	2 प्रतिशत अधिक/कम
(c)	Steel Reinforcement and structural steel sections for each diameter, section and cetegory	2% plus/minus
(घ)	सभी अन्य सामग्रियां	शून्य
(d)	All other materials	Nil.

केन्द्रीय लोक निर्माण विभाग

अनुमत्य विचिलन से अधिक की मात्राओं के लिए वसूली दरें
RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

क्रम सं0 Sl. No.	मद विवरण / Description of Item	अंकों और शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी Rates in figures and words at which recovery shall be made from the Contractor	
		अनुमत्य विचलन से अधिक आधिक्य Excess beyond permissible variation	अनुमत्य विचलन से अधिक उपयोग घटाया Less use beyond the permissible variation
1.	सीमेंट Cement		
2.	इस्पात पुनर्बलन Steel reinforcement		
3.	संरचनात्मक काट Structural Sections		
4.	निःशुल्क निर्गत बिटुमन Bitumen issued free		
5.	निर्धारित निश्चित कीमत पर निर्गत बिटुमन Bitumen issued at stipulated fixed price		

Condition For Work

Submission of DD of tender fees, FDR of EMD, copy of valid Registration of appropriate classes, Pan Card, IT Clearance certificate, GST registration certificate issued by VAT department DNH is essential, Valid Electric Contract License. Tender of the bidder will be considered who has applied for registration with DNH VAT department on production of receipt of fees paid. Those agencies who have no registration with VAT department of DNH, shall have to produce affidavit ensuring that, they will obtained VAT registration before issuance of work order (within 15 days from the date of opening the tender) if the bid is found L1. Otherwise EMD will be forfeited without assign any reason. The contractor shall produce the evidence of similar class of work executed certificate, tools & plants, machinery in his possession as mentioned in the additional condition of the contract, etc. However, tender inviting authority shall not be responsible for any postal delay/lost of documents demanded. The said documents can also be deposited in the Tender Box kept at the office of the undersigned on or before **24/07/2017** up to **15.00 hrs.** Experience certificate of Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost in last 7 years will also be submitted. Those bidders only would be allowed to compete in the bid who has done such work Govt/semi-Govt sectors Bidders will submit/upload each document/certificates work wise separately otherwise offer will be summarily rejected.

Sd/-
Executive Engineer
DNH Power Dist. Corp. Ltd.
Dadra & Nagar Haveli
Silvassa

GENERAL TENDER PARTICULARS

Pre-qualification :-

The bidder should have to submit

(1) Affidavit stating that they are not black listed anywhere in India by any SEB or government PSU / organisations etc.
(2) DD of tender fees,
(3) FDR of EMD,
(4) Copy of valid Registration of appropriate classes,
(5) Pan Card,
(6) IT Clearance certificate,
(7) GST registration certificate issued by VAT department DNH is essential,
(8) Valid Electric Contract License.

Guarantee:-

If the goods stores and equipments are found defective due to bad design materials or workmanship the same should be repaired or replaced by you free of charge if reported within guarantee period mention in condition.

Drawing:-

Whenever applicable, three copies of dimensional drawings together with necessary literature should be forwarded for department's approval.

Inspection

The supplier is subject to inspection and approval of the department. The department will depute an officer to carry out the inspection on behalf of the department. Third party inspection by ERDA for material fabrication, quality, and design will also carried out by the department for testing and acceptance.

The department reserves the right to waive the initial inspection before dispatch and authorise to carry out final inspection on receipt of the stores at site. The agency has submit the inspection call letter which is must.

Advance Sample

The sample must be of an acceptable quality and must fully represent the bulk supply. This is an essential condition of the supply order and the corporation shall under no circumstances be liable for any store manufactured or supplied as per samples approved by department. Failure to comply with this condition will tender the agency /supplier is liable to replace the materials at its own cost in cast of rejection by department.

BAR CHART

The supplier shall submit a copy of bar chart, duly stamped and signed within 7 seven days from the date of issue of the work order indicating various major activities for supply of material Viz. Drawing approval submission of pending type test reports (if any), Procurement of raw material, manufacturing, stage inspection and internal and final testing /inspection programme with dispatch of material with a copy to Department.

Termination of Contract

In case the agency /supplier fail to deliver the goods or any consignment thereof within contractual period of deliver or in case the stores are found not in accordance with prescribed specification and / or the approve d sample, the department shall exercise its discretionary power either.

(a)To recover from agency/supplier as agreed by way of penalty clause above or

(b) to purchase elsewhere after giving due notice to supplier on account at supplier‘s risk such stores not so delivered or other similar description without cancelling the contract in respect of the consignment not yet due for delivery or to cancel the contract

In the event of the risk purchase of stores of similar description, the opinion of the department shall be final. In the event of action taken under clause (a) or (b) above , the supplier shall liable to pay for any loss which the department may sustain on that account but agency / supplier shall not be entitled to any saving on such purchases made against default.

The decision of the department shall be final as regards the acceptability of stores supplied by supplier and the department shall not be required to give any reason in writing or otherwise at any time for rejection of the stores.

Further department reserves the right to terminate the contract (i.e purchase order /Supply order) at any time without assigning any reason, what sever by giving one month notice from date of notice of termination of the contract. The supplier /agency will not be entitled for any compensation damages /losses what sever on account of such termination of the contract.”

Replacement of Goods broken or damaged or received short

In the event of any stores or part there of being broken or damaged or received short during transit or during the testing and trial at site before commissioning in service , supplier shall replace the same free of cost. However department will arrange recoveries of amount equivalent to cost of such damaged/broken short supplied materials before actual replacement is given.

Jurisdiction

All questions, disputes or differences arising under out of or in connection with the tender/ contract if concluded shall be subject to the exclusive jurisdiction of the court under whose jurisdiction the place from which the tender / Acceptance of tender /is issued is situated i.e. Silvassa

Work Experience

The supplier /bidder has to submit the work experience of similar type of work/supply in any SEB/GETCO/DNHPDCL of last three years. Supporting documents of Annual Rate contract if any may also be submitted with bid. Also submit the copy of PAN card, Electrical contract License, etc.

Important

The department reserves the right to inspect suppliers factory at any time during the currency of this contract and also inspect each manufactured lot before testing /packing dispatch.

The materials to be purchased by department shall be in accordance with the latest revision of relevant ISS, and confirming to the work order’s specifications .

The department reserves the right to ask for consignee samples for approval which after inspection and approval will be sent to the site/store for comparison of the actual supplies with these approved samples.

From all the materials which are supplied as per ISS/BIS/DNHPDCL specifications department will take random samples from the materials supplied and subject them to test according to ISS/BIS/DNHPDCL specification in Government approved laboratories. The material should stand these tests, otherwise they will be summarily rejected and supplier should make immediate arrangement to replace them with standard materials and after getting them duly inspected.

Any clarification /amendment necessary in any or more clauses incorporated in the present order , the agency will have to make a detailed reference to the department latest within ten days from the receipt of this supply order without affecting the delivery schedule. If agency fail to do so, no request for any clarification /amendment shall be considerable thereafter. Please also note that all the points which need clarification /amendment should be brought out at once . No piecemeal clarification / amendment will be entertained.

Quantity Tolerance

The quantity tolerance shall be allowed ±3% order wise for total order quantities for each item, this is for weighment purpose only (When the order placed in terms of weight /length basis) The rolling tolerance in case of steel materials shall be as per IS-1852.

The weighment recorded at department end shall be considered for final for purpose of payment. However where the weighbridge facility are not available and / or weigh bridge is out of order or under capacity, material will be accepted on sectional weight basis / weight recorded at any other nearby weighbridge. If the materials are accepted on sectional weight basis and for weighment difference, the tolerance will be allowed as per provisions of IS:1852 for weight tolerance.

Arbitration

All questions, disputes or differences whatsoever which may at any time arise between you and corporation to this agreement touching the agreement or subject matter thereof arising out of or in relation there to and whether as to construction or otherwise shall be referred to decision of the sole Arbitrator appointed department for the purpose who shall be a retired High Court Judge or retired District and Sessions judge and the decision of the said Arbitrator shall be final and binding upon supplier and department. Reference to the arbitration shall be governed by the provision of Indian Arbitrations and Conciliation Act 1996 as amended from time to time and the rules made there under.

Sd/-
Executive Engineer,
DNHPDCL, D & N. H.
Silvassa.

TECHNICAL SPECIFICATIONS FOR THE WORK TO BE CARRIED OUT

For erection work of H.T and L.T. Distribution lines and Transformer Centres.

SCOPE OF WORK:

Erection & Shifting of HT & LT Distribution lines

(A) Erection of HT and LT Lines :

Site clearing and tree cutting which come in the way of line will be done by the contractor at his cost. The DNHPDCL will assist the contractor in getting necessary permission for tree cutting etc. Any claim for compensation in above respect will have to be borne by contractor.

(B) Fixing: Pole Position:

The position of pole structures, guys and earthling will be fixed by the department and will be shown to the contractor. He should adhere to these locations in all circumstances unless directed by the department to make any change.

(C) Pole setting:

Where poles are set in good solid ground the depth of pit shall be 1/6th of the height of the pole and for grounds of any other nature. The poles and guys must not be set at the edge of cuts/at shore/embankment where the soil is liable to be washed or eroded out of such setting should be avoided. While back filling, earth must be packed tight and in no case earth be dumped to greater depth more than four inches without being rammed, hard before the next layer is thrown in. Extra earth should be packed around the poles and rammed. Extra payment is payable for hard soil or rock under the pole erection item which may be quoted in the tender. No pole, which is out of plumb or out of alignment, shall be accepted.

(D) Erection of Complete single Pole Structure

Erection of single pole structure comprises of shifting of pole from the stacking place in the village, excavation of pit, erection in position (with base plate where required), of 8/10 meter PSC poles / 9 to 13 meter Steel Pole or any other suitable pole, fitting of clamps and cross arms and fabricated materials, fixing of caution board, anti-climbing device etc. complete as per drawing and specification inclusive of painting, numbering. Generally vertical formation will be used on each pole. However horizontal formation will have to be used in special circumstances as per instruction at Engineer in change.

(E) Special Two Poles Structure

Special two poles structure such as for HT line tapping, Railway crossing, any other HT/LT or telephone line crossing, terminal structure for distribution transformer center comprises of Excavation suitable pits and refilling of earth, erection in position of two Nos. of 8/10 meter PSC poles / 9 to 13 meter Steel Pole or any other suitable pole, fitting of clamps, cross arms, bracing cross arm bracing etc. as per drawing exclusive of mounting of transformer but inclusive of mounting D.O. fuses/A.B. switches/HT metering equipment etc., painting, numbering, fixing of caution Board

and anti-climbing devices. The D.P. must be properly aligned and must be in plumb. Special structure if included will be erected as per drawing supplied.

(F) Stringing of conductors

This includes stringing of stranded and solid bare conductor with fitting of necessary HT/LT pin and strain insulators, binding on insulators, jumpering, the jointing in HT line will be done by twisting sleeve joints as per standard practice. Care must be taken in handling the conductor to protect against cuts, scratches or kinks. The conductor must not be drawn over rough or rocky ground, when it is liable to be damaged. AAAC/ACSR conductors must be drawn on wooden or aluminum pulley only. Wastage and cutting should be avoided as far as possible. Not more than 2% sag will be accepted in the materials account. The sag and spans will be maintained as per drawing and design. The cross arms insulators must be so fixed that neither tilts nor bands from position. The rate quoted should be per conductor route kilometer. The sagging should be uniform for all conductors and uneven sagging will not be allowed. The ground clearance, line to line clearances etc. to be maintained as per IE Rules 1956. Generally following span should be kept of HT line.

(G) Erection of Stay Set:

The erection of stay set comprises of anchor rod, turn buckle, eye bolt and excavation of suitable pit of 4' depth, fixing of stay clamp on pole, binding of GI stay wire. The stay insulators must be inserted in the stay wire on all stays as per drawing. The wrapping of the Guy wire strands at both ends the stay insulator must be even and must presents neat appearance and good workmanship. No stay should be left loose but should be tight and straight to withstand in say cyclone or sand storm, the item includes refilling of earth and painting of fabrication material. If stays are not required to be concreted, a pre casted cement concrete block will be supplied by the department from his division store which the contractor will have to transport at his own cost to the site of work and will have to use for fixing of anchor rod at site.

(H) Separate Pole Earthing:

A pits of 2x2x6 fit is to be dig about 3 fit away from the pole on which earthing is required to be carried out. The earthing pipe/earthing plate/earthing coil shall be used as per specification and drawing. GI wire no.8 SWG for earthing should be bolted with earthing pipe/earthing plate/earthing coil. The earthings are to be done at place as indicted in the pole schedule or as selected by the field Engineer. The coke and salt will have to be supplied by the contractor at his cost. Erection of earthing should be carried out under the supervision of the Engineer in charge. At least 10 KG of salt and 10 KG of coke per earth will be used by contractor. No amount will be paid if the work is not done in accordance with this specification.

(I) Guarding:

The guarding will have to provide at crossing of lines, below all the overhead railway crossing, telephone crossing, road crossing and such other places as indicated by the department. The work comprises of fixing of guard cross arms, eye bolts, guard cradle as per design, GI cross lacing wires complete. Any special type of guarding if

required will be designed by the department. Binding cross arms must be used where the HT line crosses the road. The ground clearance, line to line clearances etc. to be maintained as per IE Rules 1956 (copy enclosed). The poles for road crossing may be concreted as instructions of the Engineer In-charge. The work has to be carried out as instructions of the Engineer Incharge.

(J) Painting and Numbering:

Rail poles and girder poles shall be given one coat of approved red-lead paint and two coats of approved aluminum paint, all fabricated material will also be painted in a manner shown above, and there should be sufficient interval between every coat of painting in order to allow for drying. The bolts and nuts shall be dipped in anticorrosive oil before insertion. The lower portion of steel poles up 3 fit above ground level shall be cleaned of all dust and rust. This surface should be given a base coat of red lead and an additional coat of black bituminous paint before inserting in the ground. The good quality paint will be supplied by the contractor and should be of I.S.I mark and will be got approved from Executive Engineer, prior to starting work. Name of the feeder and pole number has to be written on all the poles in English or Gujarati as per instruction of Engineer In-charge. The colour of back ground and name / number must be of contras color. P.S.C poles need not be painted but should be with pole numbering, fabrication material is to paint and all accumulations of earth, dirt etc, should be removed but fabrication material has to be printed. It is suggested to get one coat of red oxide and one coat of silver paint at the fabricator only.

(K) Concreting:

Cement concrete for any pole / stay should be carried out as per drawing and specification given by Engineer In-Charge as and where required. Concreting should be with one part of cement, two part of specified quality sand and four parts of well burnt Brice bats (1:2:4). The mixture should be prepared on GI sheet and should be free from the dust. Cement river sand and metal should be used by contractor at his own cost.

Muffing:

Concern for muffing of poles and stay rods should be cement one part, sand two parts and four parts of Metal (1:2:4) Sand shall be clean grip ply and composed of hard strong, durable and siliceous grains. It shall be free from clay or organic matter, metal should be sound, hard and durable stone to pass through a mesh of 11/2” as far as possible and free from any surplus. Brick bats should be made of well Burt brick and should of 11/2” size as far possible. Cement, sand and metal must be got approved from the Engineer in charge.

The concrete shall be used in above proportion and should be thoroughly mixed at least three times in dry state before water is added and as far possible a fairly wet mixture must be used all concrete must be mixed on watertight platform. In any case, the work finishing coat of cement plaster should be applied on outer surface of the smooth. One finishing coat of cement plaster should be applied on outer surface of

the muffing. The concrete block, when slightly dried, should be kept wet continuously for period of 10 days. The location for concerting will be decided by the Engineer-in-charge and the
contractor will follow his instructions scrupulously. If the concerting work is not found as per the specifications and quality, the same is liable to be rejected. The brick bat concreting or cement concerting work and muffing has to be done in the presence of companies representative only and work done in his absence will be rejected and no payment made thereof. The sand, metal, brickbats shall be procured the contractor.
The normal size of concreting/muffing of pole will be 5 x 2' x 2.1/2' & that for stay 2'x2'x2' muffing for pole shall be 12” dia x 2: x 9” (1” above and 1' below ground) Muffing for stay shall be 12” dia x 2:.9” (-do-) for muffing only metal is to be used and not brick bat or gravel.

Signature of Contractor

TECHNICAL SPECIFICATION OF 8 Mtr. Long PSC POLE

1) 8 Mtr. / 200 Kg PSC Poles

A) Over all length of the pole : Mtr 8.00

B) The Poles shall comply with latest standards : IS 1678-1998.

C) Working load : 200 Kgs. Should be as minimum ultimate transverse load 500Kgs.

D) Top Section : 114.30 mm X 139.70 mm

E) Bottom Section : 333.55 mm X 139.70 mm

F) Depth of planting : Mtr 1.5

G) Factor of safety : 2.5

H) No. of tensioned wire : No 12

I) No. of un-tensioned wire : No 2

J) Diameter of pestering wire : MM 4

K) Ultimate strength of pressing steel : Kg/mm sq. 175

L) Length of tensioned & un-tensioned wire MM 8 tension should not exceed More than 5% of UTS of the wire.

M) Distance of concentrated load from the top : MM 0.6

N) Concrete grade : M-420

O) Size of agree gate : MM 12 MM

P) Concrete quantity : CM 0.157

Q) Steel quantity per pole : 11.05kg

R) Weight of Pole : 418 kg

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GUARANTED TECHNICAL AND OTHER PARTICULARS OF L. T. SHACKLS INSULATOR(TN-4329)

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1. Manufacturer's Name & Address
   i) Office :
   ii) Works :
2. Standard Specification to which the insulators Shall confirm : IS : 1445/1977 With latest amendment.
3. Size of Insulators : 90mm x 75 mm brown glazed.
4. Tolerance on various Dimensions. : + (0.04d+1.5)mm
5. Minimum failing load(KN) : 11.5 KN
6. Dry power frequency Withstand voltage, KV (rms) : 23 KV rms
7. Wet power frequency withstand voltage, KV (rms) : 10 KV
8. Power frequency puncture withstand voltage, KV (rms) : 1.3 x the actual dry flash over voltage
9. Weight per piece (KG) (approximate) :
10. Details of packing : In double gunny/single HDP bags and each insulator wrapped in grass. Each bag weighing upto 50 Kg only.
11. Marking : Trade mark / year of manufacture / country / Purchaser's Name i.e. DNHPDCL, D & N. H.
12. Any other particulars which the bidder may like to give.

****

TECHNICAL SPECIFICATION STAY SETS

1.0 SCOPE

This specification covers design, manufacture, testing and dispatch of GI Stay

Sets of 16 mm dia**.**

2.0 GENERAL REQUIREMENTS

2.1 16 MM Dia Stay sets (Galvanized) – LT Stay Set

This stay sets (Line Guy set) will consist of the following components:-

2.1.1. Anchor Rod with one washer and Nut

Overall length of rod should be 1800 mm to be made out of 16 mm dia GS Rod, one end threaded up to 40 mm length with a pitch of 5 threads per cm and provided with one square GS washer of size 40 X 40 x 1.6 mm and one GS hexagonal nut conforming to IS:1367:1967 & IS:1363:1967. Both waster and nut to suit threded rod of 16 mm dia. The other end of the rod to be made into a round eye having an inner dia of 40mm with best quality welding.

2.1.2. Anchor Plate Size 200 x 200 x6 mm

To be made out of GS plate of 6 mm thickness. The anchor plate should have at its centre 18 mm dia hole.

2.1.3 Turn Buckle & Eye Bolt with 2 Nuts

To be made of 16 mm dia GS Rod having an overall length of 450mm, one end of the rod to be threaded up to 300 mm length with a pitch of 5 threads per cm and provided with two GS Hexagonal nuts of suitable size conforming to IS:1363:1967 & IS:1367:1967. The other end of rod shall be rounded into a circular eye of 40 mm inner dia with proper and good quality welding.

2.1.4. Bow with Welded Angle

To be made out of 16mm dia GS rod. The finished bow shall have an over all length of 995 mm and eight of 450 mm, the apex or top of the bow shall be bent at an angle of 10 R. The other end shall be welded with proper and good quality welding to a GS angle 180 mm long having a dimension of 50 x 50 x 6 mm. The angle shall have 3 holes of 18 mm dia each.

2.1.5 Thimble

To be made on 1.5 mm thick GS sheet into a size of 75 x 22 x 40 mm and shape as per standard shall be supplied. Average Weight of Finished 16mm Stay Sets shall be at least 7.702 KG (Minimum) (Excluding Nuts Thimbles and Washer) 8.445 Kg. (Maximum)

****

TECHNICAL SPECIFICATION FOR ALL ALUMINIUM STRANDED ALLOY CONDUCTORS (AAAC)

[1] SCOPE:

This specification covers details of All Aluminium Alloy Conductor (AAAC) for use on overhead lines. The sizes of the conductor cover under this specification are as under:

1	Code Name	AAAC Weasel	**AAAC Rabbit**	AAAC Dog.
2	Size	7/2.5 mm	**7/3.15mm**	7/4.26 mm
3	area in mm^2	34 mm^2	**55 mm^2**	100 mm^2

[2] APPLICABLE STANDARDS:

Unless otherwise specified in the specification, the conductor shall comply with IS-398 (Part-IV)/1994 with latest amendment if any & REC Specification 33/1984 (Revised March-2000).

[3] PROPERTIES OF WIRES:

The Properties of aluminum alloy wires to be used in the construction of the stranded conductors shall be as in the following table.

TABLE - I Aluminium Alloy wires used in the construction of stranded Aluminium alloy conductors.

Diameter in mm			Cross Sectional area of wire (nominal dia.)	Mass Kg/Km	Minimum breaking load after stranding	Resistance (at 20ºC) ohm /KM
Nominal	Min.	Max				Max.
2.5	2.47	2.53	4.909 mm^2	13.25	1.44 KN	6.845
3.15	**3.12**	**3.18**	**7.793 mm^2**	**21.04**	**2.29 KN**	**4.290**
4.26	4.22	4.30	14.253 mm^2	38.48	4.18 KN	2.345

[4] PROPERTIES OF CONDUCTORS:

The properties of stranded all aluminum alloy conductors of various sizes shall be as in the following table.

TABLE- II ALL ALUMINIUM ALLOY CONDUCTORS (AAAC)

Nominal alloy area	Strands & wire dia.	Sectional Area	approx. overall dia.	approx. mass	Calculated resistance at 20ºC (max)	Approx. breaking load.
sq. mm	mm	sq. mm	mm	Kg/KM	Ohm/KM	KN
34	7/2.5	34.36	7.5	94.00	0.990	10.11
55	**7/3.15**	**54.55**	**9.45**	**149.2**	**0.621**	**16.03**
100	7/4.26	99.77	12.78	272.86	0.339	29.26

[5] FREEDOM FROM DEFECTS:

The wire shall be smooth and free from all imperfections like, spills, splits & scratches.

[6] MATERIAL:

The conductor shall be constructed of heat treated Aluminium Magnesium silicon alloy wires having composition appropriate to the mechanical and electrical properties specified in IS-398 (Part IV)/1994 and this specification.

[7] JOINTS IN WIRES:

There shall be no joint in any wire of a stranded conductor containing seven wires, except those made in the base rod or wire before final drawing.

[8]STRANDING:

8.1 The wires used in the construction of a stranded conductor shall before stranding satisfy all the relevant requirements of this specification.

8.2 The lay ratio shall be minimum 10 and maximum 14.

8.3 The outer layer shall be right handed. The wires in layer shall be evenly and closely stranded.

[9] SAMPLING CRITERIA:

The sampling criteria for acceptance test shall be 10% of the number of reels or drum of the lot size in accordance with clause No. 12.1 of IS-398 (Part-IV)/1994.

[10] ACCEPTANCE TESTS:

Following acceptance tests as per IS-398 (Part-IV)/1994 with latest amendment if any shall be carried out on all samples.

(i) Measurement of lay ratio.
(ii) Measurement of diameters of individual wire.
(iii) Measurement of resistance of individual wire.
(iv) Breaking load test of individual wire.
(v) Elongation test of individual wire.

[11]GUARANTEED TECHNICAL PARTICULARS (GTP):

The Guaranteed Technical Particulars (GTP) given in the Appendix-A are generally in conformity with IS-398 (Part-IV) of 1994.

The manufacturer offering ISI certificate mark, shall be deemed to be manufacturing conductor meeting the guaranteed technical particulars given in Appendix-A.

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APPENDIX –A
GUARANTEED TECHNICAL PARTICULARS (GTP)

Bidder has to confirm following important requirements.

Sr. No.	PARTICULARS				CONFIRMATION
A1	Conductor shall be manufactured as per IS-398 Part-IV/1994 or latest amendment of it.				
A2	Wooden drums shall be as per IS-1778/1980 with latest amendment, if any and shall be painted as per specification				
A3	Spacing between outer layer of conductor and inner surface of lagging shall be 75mm min.				
A4	Standard length shall be (a) 2000 meters for 34 mm^2 & 55 mm^2 with 5% (five percent) tolerance.				
A5	Short length shall not be less than 50% of the standard length. Also such random / short length shall not exceed 5% (five percent) of the ordered quantity.				
A6	Maximum three numbers of random length shall be wound on any one drum.				
A7	Conductor shall have 7 Nos. of wires. And outer lay shall be right handed.				
A8	Drum Size shall be as per IS-1778/80 with Amendment No. I of 1989				
A9	Properties of individual wires shall be as under:				
	Dia of wire	34 mm²	55 mm²		
	Nominal	2.5	3.15		
	Minimum	2.47	3.12		
	Maximum	2.53	3.18		
	Mass in kg/km	13.25	21.04		
	Min.BL after stranding	1.44	2.29		
	Res.at 20ºC (max)	6.845	4.290		
	App. overall diam. of complete stranded conductor in mm	7.50	9.45		
	App. mass in kg /km	94.00	149.20		
	Approx. calculated breaking load in KN	10.11	16.03		
	Calculated max. res. at 20ºC in ohms/km	0.990	0.621		
	Minimum lay ratio	10	10		
	Maximum lay ratio	14	14		
B1	BIS License number(Copy Enclosed)				
B2	Validity Up to				
B3	List of Plant & Machinery.				
B4	List of NABL approved test house calibrated Testing equipments.				

PLACE: **Signature & Seal of Tenderer**

TECHNICAL SPECIFICATION FOR RABBIT ACSR

1.00 This section of the specification covers manufacture, testing at manufacturers works and supply of ACSR conductors indicated in the schedule of requirement.

2.00 The basic technical and other. Particulars of the equipment and the various components are specified in the following sections and tender schedule.

3.00 **ACSR CONDUCTOR**: The conductor shall comply in all respects with the latest edition of ISS-398 (Part-II) 1996 with its latest amendment. The Aluminum wires used in the manufacture of the conductor shall be of the highest electrical quality and free from scratches, die marks and other surface imperfections. They shall be reinforced with a central core of galvanized high tensile steel wire having negligible sulphur and phosphorous contents. The steel wire shall not be subject to any heat treatment after being galvanized. The zinc coating of steel wires shall be smooth and of uniform thickness. There shall be no bare spots owing to adherence of scales or other causes.

4.00 **JOINTS IN WIRES**: Joints in the individual Aluminum, wires are permitted but no two such joints shall be within 15 meters apart in the complete stranded conductors. There should be no joints in the galvanized steel wire except those made in the base rod or wire before final drawing forming the core of steel reinforced Aluminum.

5.00 The resistance of the individual Aluminum wire shall be determined separately before stranding by means of standard tests on sample wires. The test samples shall be of sufficient length to give an accuracy of at least one part in a thousand.

6.00 The ACSR conductor size and standard lengths shall be as per IS 398 (Part-II) 1996 with its latest amendments and is indicated in the schedule of material specification.

7.0 **STANDARD SIZES OF WIRES**: The Aluminum wire and galvanized steel wire for the standard construction of conductors have diameter specified as shown below, as per Tables 1&2 Section 6 of IS 398 (Part-II) :1996

TABLE-1: Aluminum Wire used in the construction of Aluminum Conductors Galvanized Steel Reinforced.

Diameter in mm			Cross Sectional area of nominal dia wire	Mass	Resistance at 20^0 C Ohms/Km.	Breaking load	
Nominal	Minimum	Maximum				Before stranding	After stranding
3.35	3.32	3.38	8.814 mm^2	23.82 Kg/Km.	3.265	1.43 KN	1.36 KN

TABLE-2:Steel wire used in the construction of Aluminum conductors galvanized steel reinforced.

Diameter in mm			Cross Sectional area of nominal dia wire	Mass	Resistance at 20^0 C Ohms/Km.	Breaking load	
Nominal	Minimum	Maximum				Before stranding	After stranding
3.35	3.28	3.42	8.814 mm^2	68.75 Kgs/Km	-	11.58 KN	11.00 KN

8.00 **LAY RATIO**: Ratio of the axial length of a complete turn of the helix formed by the individual wire in a standard conductor to the external diameter of the helix.

The lay ratio shall be as shown below.

TABLE-3: Lay Ratios of Aluminum Conductor, Galvanized Steel Reinforced.

Number of Wires		Ratio of Aluminum wire dia to Steel wire dia	Lay ratio for steel core		Lay ratio for Aluminum outside layer	
Aluminum	Steel		Minimum	Maximum	Minimum	Maximum
6	1	1.00	-	-	10	14

Note: For the purpose of calculation, the mean lay ratio shall be taken as the arithmetic mean of the relevant minimum and maximum values given in this table.

SCHEDULE OF MATERIAL SPECIFICATION FOR RABBIT ACSR CONDUCTORS:

Code Name of Conductor	Nominal Aluminum area	Dia of wires in mm		Appx. Calculated breaking load in KN	Appx. Over all dia (mm)	Standard length in Mtrs.	App. Mass Kg./ Km.
		Aluminum	Steel				
Rabbit	50 Sq.mm.	6/3.35	1/3.35	18.25	10.05	1400	214

9.0 Quantity (Mass & Length) ± 5% tolerance shall be allowed on the ordered quantity on each category of ACSR separately.

Signature & Seal of Tenderer

TECHNICAL SPECIFICATIONS FOR V-SHAPE CROSS ARMS MS CHANNEL.

SCOPE:

1. This specification covers design, manufacture, supply & delivery of MS Channel V-Shape crosses arms for supporting ACSR/AAC conductors on 11KV overhead lines.

2. APPLICABLE STANDARDS:

V-Shape cross arms shall be fabricated from tested quality of MS steel manufactured by the approved process as per drawings attached and shall be conforming to IS:2062.

3. SHAPE & SIZE:

The V-Shape X-Arms shall be fabricated from MS Channel 75 x 40 x 6 mm (7.14 Kg/m) as per drawing supporting ACSR/AAC conductor upto 100 mm2 ACSR (Dog Conductor) on 11KV lines. The cross-arms shall have two holes of 22mm diameter for fixing of pin insulators on both ends. Also a 50x50x6mm plate shall be welded at both ends to give strength for supporting the Pin insulator. The welding shall be continuous, smooth, proper & free from blowholes. The centre to centre distance between the holes shall be 1070 mm

& 1150mm respectively for both type of V-Shape X-arms upto 100mm^2 ACSR conductor. Holes of 18mm shall be made as per drawing for fixing pole back clamps to suit the PCC/PHC poles.

4. CLIMATIC CONDITIONS

The X-arms are required to be useable satisfactorily under the following conditions:-

Max. Ambient Temperature	60^0 C
Min. Ambient Temperature	- 5^{0}C
Max. Relative Humidity	100 %
Min. Relative Humidity	26 %
Altitude	Within 1000 meters above mean sea level.

5. GENERAL REQUIREMENTS:

The V-shape cross arms shall be clearly furnished and free from cracks, surface flaws & other defects and shall give homogeneous appearance. The cross-arms shall be applied with a coating of rust resistance primer such as Red Oxide before applying two coats of Aluminium paint.

Signature of Bidder

Guaranteed Technical Particulars of 11 KV CompositePin Insulator (Polymer Type) with Hard wares.

Sl. No.	Description	Unit	11kV type composite pin insulator
1	Type of insulator		Composite polymeric pin
2	Standard according to which the insulator manufacture		IEC-61109 with upto date amendments
3	Name of materials used in manufacture of the insulator with class/grade		Silicon material
a)	Material of core (FRP rod i) E-glass or ECR-glass ii) Boron content		 ECR glass boron content free
b)	Material of housing & weather sheds		Silicon Rubber 43%
c)	Material of end fitting		SGI
d)	Sealing compound for end fittings		RTV Silicon
4	Colour		Grey
5	**Electrical characteristics**		
a)	Normal system voltage	kV (rms)	11 kV
b)	Highest system voltage	kV (rms)	12 kV
c)	Dry power frequency withstand voltage	kV (rms)	70 kV
d)	Wet power frequency withstand voltage	kV (rms)	50 kV
e)	Dry flashover voltage	kV (rms)	77 kV
f)	Wet flashover voltage	kV (rms)	55 kV
g)	Dry lighting impulse withstand voltage		
	a) Positive	kV (Peak)	129 kV
	b) Negative	kV (Peak)	135 kv
h)	Dry lighting impulse flashover voltage		
	a) Positive	kV (Peak)	135 kv
	b) Negative	kV (Peak)	141 kv
i)	R/V at IMHz when energized at 10kV/30kV (rms) under condition.	Microvolt	20(T.C Encl)
j)	Creepage distance (Min)	mm.	320 mm.
6	Mechanical characteristic		
a)	Minimum failing load	Kn.	05 KN
7)	Dimension of insulator		
	i) Weight	Kg.	1.350 Kg.(Approx)
	ii) Dia of FRP Rod	mm.	21.7 mm.
	iii) Length of FRP Rod	mm.	200± 5mm
	iv) Dia of weather sheds	mm.	140/110± 2 mm
	v) Thickness of housing	mm.	3mm.
	vi) Dry arc distance	mm.	120± 5 mm
	Dimensioned drawing of insulator(including weight with tolerances in weight) enclosed		Enclosed
8	Method of fixing sheds to housing (specify) single Mould or Modular construction (injection moulding/compression moulding)		Injection Moulding
9	No. of weather sheds		3
10	Types of sheds		
	i) Aerodynamic		Aerodynamic
	ii) with under ribs		----------
11	Packing details		Each insulator in polybag & packed in
a)	Type of packing		Corrugated bodies
b)	No. of insulator each pack		One master carton box
c)	Gross weight of package		17Kg
12	Any other particulars which the bidders may like to give		It should be type tested through any Government recognized laboratory.

Guaranteed Technical Particulars of 11 KV Disc Insulator(Boll & Socket type) (Polymer) with Hard wares .

Sl. No.	Description	Unit	11kV 45 KN type composite Disc insulator
1	Type of insulator		Composite polymeric insulator
2	Standard according to which the insulator manufacture & tested		IEC-61109 with upto date amendments
3	Name of materials used in manufacture of the insulator with class/grade		Silicon material
a)	Material of core (FRP rod i) E-glass or ECR-glass ii) Boron content		ECR glass boron content free
b)	Material of housing & weather sheds		Silicon Rubber 43%
c)	Material of end fitting		SGI
d)	Sealing compound for end fittings		RTV Silicon
4	Colour		Grey
5	**Electrical characteristics**		
a)	Normal system voltage	kV (rms)	11 kV
b)	Highest system voltage	kV (rms)	12 kV
c)	Dry power frequency withstand voltage	kV (rms)	70 kV
d)	Wet power frequency withstand voltage	kV (rms)	50 kV
e)	Dry flashover voltage	kV (rms)	77 kV
f)	Wet flashover voltage	kV (rms)	55 kV
g)	Dry lighting impulse withstand voltage		
	a) Positive	kV (Peak)	129 kV
	b) Negative	kV (Peak)	135 kv
h)	Dry lighting impulse flashover voltage		
	a) Positive	kV (Peak)	135 kv
	b) Negative	kV (Peak)	141 kv
i)	R/V at IMHz when energized at 10kV/30kV (rms) under condition.	Microvolt	20(T.C Encl)
j)	Creepage distance (Min)	mm.	320 mm.
6	Mechanical characteristic		
a)	Minimum failing load	Kn.	45 KN
7)	Dimension of insulator		
	i) Weight	Kg.	1.250 Kg.(Approx)
	ii) Dia of FRP Rod	mm.	16 mm.
	iii) Length of FRP Rod	mm.	240 mm
	iv) Dia of weather sheds	mm.	90± 1 mm
	v) Thickness of housing	mm.	3 mm.
	vi) Dry arc distance	mm.	160± 5 mm
	Dimensioned drawing of insulator(including weight with tolerances in weight) enclosed		Enclosed
8	Method of fixing sheds to housing (specify) single Mould or Modular construction (injection moulding/compression moulding)		Injection Moulding
9	No. of weather sheds		3
10	Types of sheds		
	i) Aerodynamic		Aerodynamic
	ii) with under ribs		----------
11	Packing details		Each insulator in polybag & packed in wooden box
a)	Type of packing		Corrugated bodies
b)	No. of insulator each pack		One master carton box containing
c)	Gross weight of package		
12	Any other particulars which the bidders may like to give		Brittle Fracture Pass
13	The insulator shall have “W” type phosphors Bronze security clips for ball sockets portion of insulators confirming to IS-2486 (P-III/1974.)		Yes