# Government of West Bengal Office of The. DirectorGeneral of Police Telecommunication, West Bengal

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Notice Inviting e-Tender No. WBPTEL/DG/eNIT-2/Wireless Stores/ 2024-25 Date: 22.07.2024

The Director Generalof Police, Telecommunication, West Bengal invites e-Tenders on behalf of the Home Department, Government of West Bengal from the bonafide bidders for the different types of Maintenance & repairing of Tower relatedworks throughout the west Bengal mentioned in the table below:-

| SI.                 | Nature of Job  | Per Unit   |  |
|---------------------|--|--|--|
|                     | Installation of new VHF Aerials  |  |  |
|                     | with Galvanized Two Clamps (Specification: 2 feet Long x 1 Inch x 4 mm Thick )   | with 4 Holes)  |  |
|                     | and fitted with Galvanized wire(single core). The antenna & cable accessories to be  |  |  |
|                     | Tenderer.  |  |  |
| .01                 | For 40/50/ 60/75 ft Trilon Mast/Pipe Mast/SS Tower   |  |  |
| .02                 | For 100 ft /120 ft /150 ft Trilon Mast/SS Tower  |  |  |
| .03                 | For 250 ft SS Tower  | United   |  |
| `                   | Replacement of VHF aerials with Galvanized wire(single core). The antenna & ca   | Die accessories to   |  |
| 2                   | be provided by Tenderer.   | Unit wise  |  |
| 2.01                | For 40/50/60 /75ftTrilon Mast/Pipe Mast/SS Tower   | Unit wise  |  |
| 2.02                | For 100 ft /120 ft /150 ft Trilon Mast/SS Tower  |  |  |
| 2.03                | For 250 ft SS Tower  | Unit wise  |  |
| -                   | Changing/fixing of single (01 Number) Guy Rope by <b>Elevator Wire Rope</b>  | , 8 mmwith   |  |
|                     | Motorials (Specification: 8 mm 8 x 7 S C. (Multi Core) and reputed make Hot I  | beep Gaivanizeu,   |  |
| 3                   | D. Shookle 3 Inch Long v 10 mm Thick U-Bolt -1.5 Inch Long x 8 mm Inick  | c, Stramer - 12  |  |
|                     | Inch Long x 12 mm Thick will be replaced if required ). Warranty- 2 year(exclu   | idingany any short   |  |
|                     | of natural calamity).  |  |  |
| 3.01                | From 20 ft height to ground level anchor. (01 Number)  | Unit wise  |  |
| $\frac{3.01}{3.02}$ | From 40 ft height to ground level anchor. (01 Number)  | Unit wise  |  |
| $\frac{3.02}{3.03}$ | From 60 ft height to ground level anchor. (01 Number)  | Unit wise  |  |
| 3.03<br>3.04        | From 75 /80 ft height to ground level anchor. (01 Number)  | Unit wise  |  |
| 3.05                | From 100 ft height to ground level anchor. (01 Number)   | Unit wise  |  |
| 3.03                | Character (Gring of all Cuy Ropes by Flevator Wire Rope, 8 mmfrom 20)  | ft height of   |  |
|                     |  |  |  |
|                     | 20 m 20 ft 2 nos from 40 ft -03nos from 50ff-0,5008& 170H 0V H   | -02 HO2( TOTAL TO  |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft  | ecification:Elevator   |  |
| 4                   | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft one of the same of the | ecification:Elevator<br>ce. D-Shackle - 3  |  |
| 4                   | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft ones as one unit )withall Guy foundation repair & replace attached Materials (Spowire Ropes–8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make the Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imp  | ecification:Elevator<br>ce. D-Shackle - 3  |  |
| 4                   | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft ones as one unit )withall Guy foundation repair & replace attached Materials (Spowire Ropes–8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make the Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imp  | ecification:Elevator<br>se, D-Shackle - 3<br>ch Long x 12 mm   |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit )withall Guy foundation repair & replace attached Materials (Spewire Ropes–8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  | ecification:Elevator<br>ke, D-Shackle - 3<br>ch Long x 12 mm   |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft on sas one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast   | ecification:Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wase height of Tower—   |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft on sas one unit) withall Guy foundation repair & replace attached Materials (Spowire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft of the fixed for the fixed form 20 ft -2 new from 40 ft -03nos, from 50ft-03nos, from 50f | ecification:Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower— m 60 ft -03 nosfrom   |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft on 60 nos as one unit) withall Guy foundation repair & replace attached Materials (Spowire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft of 10 nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 50ft-03nos | ecification:Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower— m 60 ft -03 nosfrom 20 ft -3 nos,from   |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spowire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft nos nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 70 ft -3 nos ft -3 n | ecification: Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos   |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spowire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft nos nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 70 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 nos (Total 32 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy fou  | ecification: Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower— m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos ndation repair &   |  |
|                     | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spowire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft nos nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03 nos, from 50ft-03 nos, from 30 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3 nos, from 40 ft -03 nos, from 50ft-03 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit)  | ecification: Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos ndation repair & rire Ropes-8mm 8   |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mmfrom 10 ft 03 nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 nos, from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four replace attached Materials (Specification: Usha Martin Make Multicore Steel was 10 ft for 1 | ecification: Elevator  ce, D-Shackle - 3  ch Long x 12 mm  Unit wase  height of Tower  m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos  ndation repair & rire Ropes-8mm 8  n Long x 10 mm  |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft nos nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 no from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four replace attached Materials (Specification: Usha Martin Make Multicore Steel w x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make, D-Shackle - 3 Inch Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long x 12 mm Thick, U-Bolt - 1.5 Inch Long | ecification: Elevator  ce, D-Shackle - 3  ch Long x 12 mm  Unit wase  height of Tower  m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos  ndation repair & rire Ropes-8mm 8  n Long x 10 mm  |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mmfrom 10 ft 03 nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 nos, from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four replace attachedMaterials (Specification: Usha Martin Make Multicore Steel w x 7 S.C. (Multi Core) and reputedHot Deep Galvanized make, D-Shackle - 3 Inch Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thyear(excludingany any short of natural calamity).  | ecification: Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower— m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos ndation repair & vire Ropes-8mm 8 n Long x 10 mm hick). Warranty- 2  |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mmfrom 10 ft nos nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 no from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four replace attached Materials (Specification: Usha Martin Make Multicore Steel w x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make, D-Shackle - 3 Inch Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thyear(excludingany any short of natural calamity).  | ecification: Elevator ke, D-Shackle - 3 ch Long x 12 mm  Unit wise height of Tower— m 60 ft -03 nosfrom 20 ft -3 nos, from s, from 80 ft -3 nos ndation repair & vire Ropes-8mm 8 n Long x 10 mm hick). Warranty- 2  Unit wis  |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mm from 10 ft of 03 nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 50ft-03nos, from 30 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 no from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy fou replace attachedMaterials (Specification: Usha Martin Make Multicore Steel w x 7 S.C. (Multi Core) and reputedHot Deep Galvanized make, D-Shackle - 3 Inch Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thyear(excludingany any short of natural calamity).  For 75 ft/100 ft Trilon Mast  | Long x 10 mm  Long x 12 mm  Long x 10 mm  Long x 10 mm  Long x 10 mm  hick). Warranty- 2  Unit wis  R GLASS COVE   |  |
| 4.01                | Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos& from 60 ft nos as one unit) withall Guy foundation repair & replace attached Materials (Spewire Ropes—8mm 8 x 7 S.C. (Multi Core) and reputed Hot Deep Galvanized make Inch Long x 10 mm Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Imm Thick). Warranty- 2 year(excludingany any short of natural calamity).  For 40/50/60 ft Trilon Mast/Pipe Mast  Changing/fixing all Guy Ropes by Elevator Wire Rope, 8 mmfrom 10 ft 03 nos, from 20 ft -3 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos, from 75 ft -3 nos (Total 21 nos as oneunit) & from 10 ft height of Tower—03 nos, from 30 ft -3 nos, from 40 ft -03nos, from 50ft-03nos from 60 ft -03 nos, from 70 ft -3 nos, from 90 ft -3 nos & from 100 ft -3 nos (Total 30 nos as one, unit) with all Guy four replace attachedMaterials (Specification: Usha Martin Make Multicore Steel w x 7 S.C. (Multi Core) and reputedHot Deep Galvanized make, D-Shackle - 3 Inch Thick, U-Bolt - 1.5 Inch Long x 8 mm Thick, Strainer - 12 Inch Long x 12 mm Thyear(excludingany any short of natural calamity).  | becification: Elevator  ice. D-Shackle - 3  ch Long x 12 mm  Long x 12 mm  Long x 12 mm  60 ft -03 nosfrom  20 ft -3 nos, from  s, from 80 ft -3 nos  ndation repair &  rire Ropes-8mm 8  Long x 10 mm  hick). Warranty- 2  Unit wis  IR GLASS COVE  proof yellow epoy |  |

|   | &retaining metal ring, long life & energy saving, solid state, 7 parallel circuit, ultra   | ı bright high   |  |  |  |
|---|--|---|--|--|--|
|   | glow red LED's, color Red, max power consumption:24W, 235cd, input voltage:  | 150-300Vac,   |  |  |  |
|   | Suitable for low type-A lumens intensity applications. Cat Par No.:AOL/SE-24,Single Dome   |   |  |  |  |
|   | Emitter life 1,00,000 hrs (11 Years) and new wire with PVC pipe)With materials (Specificati  |   |  |  |  |
|   | HG Wire two core 1.5 copper wire, Covering PVC Pipe up to switch board, (warrantee   |   |  |  |  |
| 6.01  | 60/75 ft Trilon Mast/ SS Tower   | Unit wise   |  |  |  |
| 6.02  | For 100/120 /150 ft Trilon Mast/ SS Tower  | Unit wise   |  |  |  |
| 6.03  | For 250 ft SS Tower  | Unit wise   |  |  |  |
|   | Replacement of Aviation Obstruction Light Specification: HEAVY DUTY, HA  |   |  |  |  |
|   | GLASS COVER Cast alu.(LM-6) housing, weather proof IP65, painted with weather & he   |   |  |  |  |
|   | proof yellow epoxy powder coating, covered by transparent borosilicate hard glass,   |   |  |  |  |
| <b>—</b>  | rubber gasket & retaining metal ring, long life & energy saving, solid state, 7 parallel   |   |  |  |  |
| 7   | bright high glow red LED's, color Red, max power consumption:24W, 235cd, input v   |   |  |  |  |
|   | 300Vac, Suitable for low type-A lumens intensity applications. Cat Par No.:AOL/S   | _   |  |  |  |
|   | Dome, Emitter life 1,00,000 hrs (11 Years) and new wire with PVC pipe)Wi   |   |  |  |  |
|   | (Specification: HG Wire two core 1.5 copper wire, Covering PVC Pipe up to st   | witch board   |  |  |  |
| 7.01  | (warrantee 02 years) 60/ 75 ft Trilon Mast/ SS Tower   | Unit wile   |  |  |  |
| 7.02  | For 100/120 /150 ft Trilon Mast/ SS Tower  | 1916  |  |  |  |
| 7.03  | For 250 ft SS Tower  |   |  |  |  |
| 7.00  | Installation of Lightning Arrester&Earthing(Lightening arrester 1200 mm GI   |   |  |  |  |
|   | Prongs ,Dia 15 mm , 4SWG GI connecting Wire Top to Ground , For earthing 3   |   |  |  |  |
| 8   | pipe ,Dia 50 mm, thickness 3.64 mm Emblem Medium GI Pipeincluding roof top   |   |  |  |  |
|   | )See Annexure-IV   |   |  |  |  |
| 8.01  | For 40/50/60 ft /75 ft/100 ft Trilon Mast/Pipe Mast/ SS Tower (Roof Top also)  | Unit wise   |  |  |  |
|   |  |   |  |  |  |
|   | Installation of Lightning Arrester& Earthing(Lightening arrester 1500 mm GI Prongs ,Dia 15 mm ,Galvanized Connecting strip 20 mm X 3 mm all through each   | h and ever  |  |  |  |
| 9   | joint junction should be soldered from Top to Ground, For earthing 3000 mm GI  |   |  |  |  |
|   |  |   |  |  |  |
|   | mm, thickness 3.64 mm, Emblem Medium GI Pine as per diagram. )See Annexure-  |   |  |  |  |
| 0.01  | mm, thickness 3.64 mm Emblem Medium GI Pipe as per diagram )See Annexure-  | ·V  |  |  |  |
|   | For 100 ft /120 ft 4 Legs SS Tower   | Unit wise   |  |  |  |
| 9.02  | For 100 ft /120 ft 4 Legs SS Tower For 150 ft SS Tower 4 Legs SS Tower   | Unit wise Unit wise   |  |  |  |
| 9.01<br>9.02<br>9.03  | For 100 ft /120 ft 4 Legs SS Tower For 150 ft SS Tower 4 Legs SS Tower For 250 ft SS Tower 4 Legs SS Tower   | Unit wise Unit wise   |  |  |  |
| 9.02  | For 100 ft /120 ft 4 Legs SS Tower For 150 ft SS Tower 4 Legs SS Tower For 250 ft SS Tower 4 Legs SS Tower Painting with all materials:  | Unit wise Unit wise Unit wise   |  |  |  |
| 9.02<br>9.03  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz   | Unit wise Unit wise Unit wise Unit wise   |  |  |  |
| 9.02<br>9.03  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of  | Unit wise Unit wise Unit wise Unit wise   |  |  |  |
| 9.02<br>9.03  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  | Unit wise Unit wise Unit wise Unit wise Primer and  |  |  |  |
| 9.02<br>9.03  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning   | Unit wise Unit wise Unit wise Unit wise Primer and  |  |  |  |
| 9.02<br>9.03<br>10  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  | Unit wise Unit wise Unit wise Unit wise Primer and  |  |  |  |
| 9.02<br>9.03<br>10  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year   | Unit wise Unit wise Unit wise Unit wise ted Primer and the Tower  |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast   | Unit wise Unit wise Unit wise Unit wise ted Primer and the Tower  |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03   | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  | Unit wise Unit wise Unit wise Unit wise ted Primer and the Tower  |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)   | Unit wise   |  |  |  |
| 9.02  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05   | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07   | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials:  (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower (3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower (4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower   | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07   | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint –  Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower   | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01  | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower(3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower(3 Legs)  | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02                                     | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer - Red lead (Make Murarka) (v) Paint - Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower(3 Legs)  100 ft Trilon Mast  | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02<br>11.03                            | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower( 3 Legs)  100 ft Trilon Mast  75 ft SS Tower (4 Legs)   | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02<br>11.03<br>11.04                   | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower(3 Legs)  100 ft Trilon Mast  75 ft SS Tower (4 Legs)  | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02<br>11.03<br>11.04<br>11.05          | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Tor 250 ft SS Tower 4 Legs SS Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower( 3 Legs)  100 ft Trilon Mast  75 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)   | Unit wise   |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02<br>11.03<br>11.04<br>11.05<br>11.06 | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower (3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower (3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower (4 Legs)  For 150 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Dismantling of existing Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower (3 Legs)  100 ft Trilon Mast  75 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)  150 ft SS Tower (4 Legs) | Unit wise Unit wise Unit wise Unit wise Primer and  |  |  |  |
| 9.02<br>9.03<br>10<br>10.01<br>10.02<br>10.03<br>10.04<br>10.05<br>10.06<br>10.07<br>11<br>11.01<br>11.02<br>11.03<br>11.04<br>11.05          | For 100 ft /120 ft 4 Legs SS Tower  For 150 ft SS Tower 4 Legs SS Tower  Painting with all materials: (i) Cleaning of rust and rubbing thetotal tower (use Methylated Sprit for Galvaniz Tower).(ii) Nut-Bolts should be checked properly before Painting (iii) One coat of two coats of Enamel Paint (iv) Primer – Red lead (Make Murarka) (v) Paint – Asian/Berger/other reputed company (White and Deep Orange) and also cleaning surrounding area .Warranty: 4 year  For 40/50 ft Trilon Mast/ SS Tower( 3 Legs)/Pipe Mast  For 60/75 ft Trilon Mast/Pipe Mast/SS Tower(3 Legs)  For 100 ft Trilon Mast  For 75 ft SS Tower(4 Legs)  For 100 ft/120 ft SS Tower 4 Legs SS Tower  For 250 ft SS Tower 4 Legs SS Tower  Tor 250 ft SS Tower 4 Legs SS Tower  40/50/60/75 ft Trilon Mast. /Pipe Mast/SS Tower( 3 Legs)  100 ft Trilon Mast  75 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)  100 ft SS Tower (4 Legs)   | Unit wise |  |  |  |

|       |  | TT                        |  |  |  |
|-------|--|---------------------------|--|--|--|
| 12.01 | SS Tower ladder repairing all sides&Heights up to 250 ft rate (Per meteron all sides)  | Unit wise                 |  |  |  |
|       | Total Repairing/replacement (depth 5 ft) of 01(one) Base& 03 (three) guy foundations includ  |                           |  |  |  |
| 13    | materials, Total 1+3=4 (Four) Nos as one unit, (complete all foundations) with 5 ft iron angel   |                           |  |  |  |
|       | also (With a hole)   | Unit wise                 |  |  |  |
|       | 40/50/60 ft Trilon Masts/Pipe Mast   | Unit wise                 |  |  |  |
| 13.02 | 75/100 ft Trilon Masts   | 1                         |  |  |  |
| 4     | Repairing / replacement of onlytheBase foundation(depth 5 ft) including all mat  | TImit viigo               |  |  |  |
| 14.01 | 40/50/60 ft Trilon Masts/Pipe Mast   | Unit wise                 |  |  |  |
| 14.02 | 75/100 ft Trilon Masts   | Unit wise                 |  |  |  |
| 15    | Repairing / replacement of only 01 (One) Guy foundation with 5 ft Galvanized angel (With a hole)   | l Iron                    |  |  |  |
| 15.01 | 40/50/60 ft Trilon Masts/Pipe Mast (only one)  | Unit wise                 |  |  |  |
| 15.02 | 75/100 ft Trilon Masts (only one)  | Unit wise                 |  |  |  |
| 10.02 | Increasing the Height of the existing Tower with a Ladder per 10 Feet with earth   | ing wires &               |  |  |  |
| 16    | Lightening arrester, 04(Four) Nos Aerial installation including all materials ropes& Painting, installation of 03(Three) Nos New Guy foundation with 5 ft Iron angel (With a hole) for Trilon mast / Pipe Mast with accessories of extended portion  | /steel wire<br>Galvanized |  |  |  |
| 16.01 | 40/50/60 ft Trion Mast/Pipe Mast (10 ft) with Extra 3 Guy Foundation (5 ft angel also)   |                           |  |  |  |
| 16.02 | 75/100 ft SS Tower (10 ft)   |                           |  |  |  |
|       | Base foundation repairing of SS Towers (only 01 Leg) including all materials to  | eii Iese                  |  |  |  |
| 17    | (Base portion, Deep orange colour) Painting 5 ft only from ground(4ft X 2ftX 2ft o   |                           |  |  |  |
|       | covered by a brick wallon all sides finishing with Red colour)   | 777.                      |  |  |  |
| 17.01 | 75 ft/100 ft SS Tower( only 01 Leg )   | Unit wise                 |  |  |  |
| 17.02 | 120 ft /150 ft SS Tower( only 01 Leg )   | Unit wise                 |  |  |  |
| 17.03 | 250 ft SS Tower( only 01 Leg)  | Unit wise                 |  |  |  |
| 18.01 | Supported Tower (SS Tower) with all materials and labour chargeswith Lightening Arr Earthing.  40/50/60 ft Trilon Masts/Pipe Mast  | Unit wise                 |  |  |  |
| 18.02 | 75/100 ft Trilon Masts   | Unit wise                 |  |  |  |
| 18.03 | For 60 ft /75 ft SS Tower 3 Legs SS Tower  | Unit wise                 |  |  |  |
| 18.04 | For 75 ft SS Tower4 Legs SS Tower  | Unit wise                 |  |  |  |
| 18.05 | For 100 ft SS Tower4 Legs SS Tower   | Unit wise                 |  |  |  |
| 18.06 | For 120 ft SS Tower4 Legs SS Tower   | Unit wise                 |  |  |  |
| 18.07 | For 150 ft SS Tower4 Legs SS Tower   | Unit wise                 |  |  |  |
| 18.08 | For 250 ft SS Tower4 Legs SS Tower   | Unit wise                 |  |  |  |
| 10.00 | Shifting & Reinstall the Tower (The super structure will be dismantled and to be   | re-installed              |  |  |  |
| 19    | after repairing& replace guys as needed with Steel wire ropes) for 40/50/60 ft Tr  | ilon                      |  |  |  |
| 17    | Masts/Pipe Mast( Ground or Roof Top)   |                           |  |  |  |
| 19.01 | Upto 5 Km  |                           |  |  |  |
| 19.01 | From 5Km to 30 Km  |                           |  |  |  |
| 19.02 | From 30 km to 60 Km  | Unitwa                    |  |  |  |
| 19.03 | From 60 km to 120 km   | Unit wis                  |  |  |  |
| 17.04 | Shifting & Reinstall the Tower (The super structure will be dismantled and to be   | re-installe               |  |  |  |
| 20    | after repairing& replace guys as needed with Steel wire ropes) for 75/100 ft Tri   | lon                       |  |  |  |
| 20.01 | Upto 5 Km  | Unit wis                  |  |  |  |
| 20.02 | From 5Km to 30 Km  | Unit wis                  |  |  |  |
| 20.03 | From 30 km to 60 Km  | Unit wis                  |  |  |  |
| 20.04 | From 60 km to 120 km   | Unit wis                  |  |  |  |
| 21    | Painting the Tower 05 (Five ) ft hight only from the ground:  (i) Cleaning (for Galvanized Tower by Methylated sprit ) of rust and rubbing the Tower (ii) One coat of Primer and two coats of Enamel Paint (iii) Primer - Red lead (Make Murarka) (iv) Paint - Asian/Berger/Other reputed company ( Deep Orange) and also cleaning the Tower surrounding area. |                           |  |  |  |

| 21.01 | 40/50/60/75 /100 ftTrilon Masts/Pipe Mast, 05 (Five ) ft hight only from the Base | Unit wise |
|-------|---|-----------|
| 21.02 | 75/100/120 ft SS Tower, 05 (Five ) ft hight only from the ground                  | Unit wise |
| 21.03 | 150/250 ft SS Tower, 05 (Five ) ft hight only from the ground                     | Unit wise |

#### **ELIGIBILITY OF BIDDERS:**

- 1. In the event of e-filling, the intending bidder may download the Tender documents from the Web Page Links "wbtenders.gov.in/nicgep/app" or "policewb.gov.in/wbp/tender.php" directly with the help of the Digital Signature Certificate. Earnest Money Rs. 20,000.00 (Rupees Twenty Thousand) only has to be remitted online. No alternative will be accepted. Necessary Earnest Money will have to be deposited by the bidder electronically: online through his net banking enabled bank account, maintained at any bank. Bidders will get the Beneficiary details from e– the tender portal with the help of a Digital Signature Certificate and may transfer the EMD from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code. Bidders are also advised to submit the EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of Payment of EMD. Bidders eighte for example of EMD as per Govt. rule may avail the same and , necessary documents regarding the EMD and EMD folder of Statuary bid documents.
  - 2. Financial Bid is to be submitted online (both words & figures) concurrency day digradus signed on the website "wbtenders.gov.in" as per the Date & Time schedule stated in Clause 18.
- 3. (a) A bidder, after being accepted by the undersigned authority, shall be liable to do all the works as per the list items in question as per the accepted rate, for a period of one year from the date of acceptance, without any hike in the prices, whatever are the circumstantial criteria thereby. Vender to be liable for any unconditional failure for execution of job. Approval of compliance authority is mandatory.
  - (b) Conditional/incomplete bids will not be considered.
- (c) Tenderers should specify the address within the State of West Bengal and Phone/Mobile, FaxNo./e-mail I.D. for the purpose of quick communication in the event of urgency.
- (d) Deviation Statements (if any) may also be enclosed.
- (e) There should be an onsite manufacturing guarantee/warranty for the items with a mention of the specific period.
- (f) The participating bidders must havevalid Insurance Coverage for the labours, and credentials for such works. All workers must wear helmetsand safety belts during the execution of work. No worker would be allowed to work without safety measures and valid insurance coverage. In case of any accident or injury or death of labours at the time of work, the Farm / Employer shall be responsible solely. All responsibility for Tower works shall lie with the agency which would follow safety norms as per IS7205 (1974).
- 4. (A)It is the responsibility of the bidders to submit the bid in the formats given and as per the terms & conditions of the tender documents. If a bidder does not want to quote for an item, the cell of the BOQ should be kept blank (never put zero in a cell of the BOQ). If zero is put against a rate of an item in the BOQ, the rate will be considered as "Not Quoted" and the system generates the rate as L1, the authority will not consider it as L1 and L1 will be selected from the lowest of the remaining valid rates.

  Police Telecommunication HOr may issue a corrigendum during this tender period.
- Police Telecommunication HQr may issue a corrigendum during this tender period.

  (B) All the criteria to be quoted by the participant in the "Not Quoted" item will not be entertained.

  (C) The rates to be quoted by the vendor considering the deployment of sited under any location of the state of West Bengal. No other charges to be considered excluding the charge of shifting of tower.
- 5. Orders for the execution of proposed work will be placed to the successful bidders after the execution of the agreements, and such supply shall have to be made in such installments as may be fixed or spread over the period to be specified in the supply orders to be made in pursuance of the agreements. The successful bidders will have to execute the work within the specified time schedule, which will be mentioned in work order and the specified place anywhere in the state of West Bengal that had been assured at the time of selection asthe supplier.
- 6. Tender Specific authorization Certificate is desirable.
- 7. It should be noted that the firm/firms will be selected purely on a "PROVISIONAL BASIS" and the forecast requirement may increase or decrease by any quantity during the period of validity of the tender.

8.Director General of Police, Telecommunication, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason and not to place any orders even after selection and is not liable for any cost that might have been incurred by any bidder at the stage of bidding.

In case of an extremely emergent situation like devastating natural calamities, the authority reserves the right to placean order unconventionally only to the L/1 bidder and divide the works amongst L/1, L/2 & L/3 bidders, provided the works are bulk in nature and should be finished within a short time for the sake of repair of Tower and restoring VHF Communication immediately necessary for smooth Policing. In that case, L/2 & L/3 bidders shall be bound to do and complete the work successfully L/1 rate.

Director General of Police Telecommunication, West Bengal does not bind herself to accept the lowest rate.

9. Selected bidders will have to work according to the work order placed with them from time to time within the specified period, failing which the firm may be **blacklisted** with the forfeiture of the security deposit. In the event of the non-execution of works or the work performed becomingsubstandard, the Director General of Police Telecommunication, West Bengal may(without notice to the contractors) be done from elsewhere. Any loss incurred by reason of the price paid for such article(s) or any other loss or expense incurred by reason of such default on the part of the contractors may be deducted from the bills or any money payable to the contractors or from the security deposit of the concerned bidder(s). If the performance of the workis found unsatisfactory or not as to our desired level even after payable to farm has to refund the entire amount paid to him earlier for that particular job.

## 10. DATE & TIME SCHEDULE:

| SI. No. | Particulars Particulars   | Date & time            |
|---------|---|------------------------|
| 1       | Date of uploading of N.I.T Documents (Online)                           | 22.07.2024 at 1800 hrs |
| 2       | Documents download/Sell Start date (Online)                             | 22.07.2024 at 1800 hrs |
| 3       | Date of hoisting of documents at Departmental Website "policewb.gov.in" | 22.07.2024 at 1800 hrs |
| 4       | Bid submission start date (Online)                                      | 22.07.2024 at 1800 hrs |
| 5       | Bid submission closing date (Online)                                    | 20.08.2024 at 1400 hrs |
| 6       | Technical Bid opening (Bid A)   | 22.08.2024 at 1400 hrs |
| 7       | Date of uploading the list of technically qualified bidders             | To be notified later   |
| 8       | Date of opening of Financial Proposal (Bid B) (Online)                  | To be notified later   |
| 9       | Date of uploading the list of bidders along with the approved rates     | To be notified later   |

- **11. Bid opening Location:** Office of the. Director General of Police, Telecommunication, West Bengal, 3 Manik Bandyopadhyay Sarani, Tollygung, Kolkata 700 040.
- 12. Canvassing on the part of tenderers will render his tender to cancellation summarily.
- 13. For any clarification regarding the Specification of the Tender, Tenderers are requested to contact with Deputy Superintendent of Police (Technical) Telecommunication Hqrs., 3 March Bandycpud Sarani, Tollygunj, Kolkata 700 040 during office hours.

NB: Any inconsistencies in the descriptions may be expeditiously brought to the notice of the Tendering authority.

## **INSTRUCTIONS TO BIDDERS**

## GENERAL GUIDANCE FOR e-TENDERING:

Instructions/ Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

#### I. REGISTRATION OF THE BIDDER:

Any bidders willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System; by logging on to "wbtenders.gov.in" (the Web Portal

of Public Works Department) the bidder is to click on the link for e-Tendering site as given on the web portal.

#### II. DIGITAL SIGNATURE CERTIFICATE (DSC):

Each bidder is required to obtain a Class-II OR Class-III Digital Signature Certificate (DSC) for submission of tenders for the approval service of the National Informatics Centre (NIC) on payment of therequisite amount. Details are available at the website stated in Clause-I above DSC is given as a USB e-Token.

III. The bidder can search & download N.I.T. & Tender Document(s) electronically from the computer once he logs on to the website mentioned in clause-I using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

## IV. SUBMISSION OF TENDERS:

Tenders are to be submitted online to the website stated in Clause-I in two folders at a time for each work, one in Technical Bid & the other is Financial Bid before the prescribed date&time using the DigitalSignature Certificate (DSC). The documents are to be upleaded virus scanned copies duly Digital Signed. The documents will get encrypted (transformed into non readable formats).

## V. PENALTY CLAUSES:

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT / MSCFADING DOCUMENTS: If during the tender process or at any state during the validity of the tender period, it is found that a bidder has formed a cartel in what so ever from or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against that bidder who has submitted false / misleading / fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of Earnest Money, Forfeiture of Performance Bank Guarantee if enlisted as a bidder.

#### VI. TECHNICAL PROPOSAL:

The Technical proposal should contain scanned copies of the following in two covers (folders).

- (a) Statutory Cover containing the following documents:
- (1)NIT(2)EMD(3) AGREEMENT PAPER(AS ANNEXTURE-III)
- (b) Non-statutory Cover containing the following documents:

THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTSSHOULD BE ARRANGED IN THE FOLLOWING MANNER:-

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory Documents" to send the selected documents to the Non-Statutory folder.

Next Click the tab "Click to Encrypt and upload" and then click the "Technical" Folder to upload the Technical Documents.

| SI.<br>No. | Category<br>Name     | Sub-Category<br>Description | Detail(s)   |
|------------|----------------------|-----------------------------|---|
| A          | Certificate(s)       | Certificate(s)              | GST, Trade License, Income Tax/PAN,<br>LatestP.Tax (Challan).   |
| В          | Company<br>Detail(s) | Company Detail              | Proprietorship Firm (Trade License) Partnership Firm (Partnership Deed, Trade License), Ltd. Company (Incorporation Certificate, Trade License) Society (Society Registration Copy, Trade License) Power of Attorney. |
| C          | Credential           | Credential - 1              | Similar nature of work done & completion certificate, which is applicable for eligibility in  |

|   |         |            | this tender.  |
|---|---------|------------|---|
| D | Returns | Income Tax | Last 3 Financial years of Income Tax i.e, for 2021-22,2022-23,and 2023-24 |

# NOTE: BLACK & WHITE SCAN, MULTIPAGE SCAN, DPI MAX 200-300

## VII. FINANCIAL PROPOSAL:

- (a) The bidder is to quote the rate online throughthe computer in the space marked for quoting rate in the BOQ (Bill of Quantities).
- (b) If any contractor is exempted from payment of EMD, a copy of the relevant Government Content (b) If any contractor is exempted from payment of EMD, a copy of the relevant Government Content (c) and copy of the relevant Government (c) and c) are copy of the relevant Government (c) and c) are copy of the relevant (c) are copy of the relevant (c) and c) are copy of the relevant (c) are copy of the relevant (
- (c) The financial proposal should contain the following documents in one cover (folder) i.e. SOQ (30) of Quantities).
- (d) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the bidder. If any tenderers fail to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the tenderers and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

# OPENING & EVALUATION OF TENDER:

- 1. Opening of Technical Proposal: A Committee headed by Deputy inspector General of Police Telecommunication ,West Bengal will open the Technical bid of the Tender.
- 2. Intending Tenderers may remain present if they so desire.
- 3. Cover (folder) for Statutory Documents will be opened first and, if found in order, a cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents the tender will summarily be rejected.
- 4. Decrypted (transformed into readable formats) documents of the non- statutory cover will be downloaded & handed over to the Tender Evaluation Committee.
- 5. Summary list of technically qualified tenderers will be uploaded online.
- 6. Pursuant to the scrutiny & decision of the Tender Evaluation Committee, the summary list of eligible tenderers & the serial number of work for which their proposal will be uploaded to the web portals after prior approval of DG & IGP, Telecommunication, WB.
- 7.During the evaluation, the committee may be summoned to the Tenderes and seek clarification/information or documents or original hard copy of any of the documents submitted, if these are not produced within the stipulated time frame, their proposals will be lade for rejection.
- 8. After the completion of the Technical Evaluation, Financial Bid will be opened. Financial Evaluation will be done item wise and L1 will be selected on the basis of the lowest rate for each item / job as mentioned in the Table on Page-1 topage No. 3 i.e, Sl. No.1 to 20.03 in this NIT.

## VIII. REJECTION OF BID:

The Director General of Police Telecommunication, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason and not to place any orders even after selection and is not liable for any cost that might have been incurred by any bidder at the stage of bidding and also reserves the right to divide the contract amongst any number of Tenderers if required so and to place an order for more or less than the quantity mentioned in the forecast requirement. The Director General of Police, Telecommunication, West Bengal does not bind himself to accept the lowest rate.

# IX. AWARD OF CONTRACT:

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through an acceptance letter / Letter of Acceptance both online & offline to save time. The notification of the award will constitute the formation of the Contract. The Agreement in the prescribed format in admissible stamp duties will incorporate all agreements between the Tender Accepting Authority and the successful bidder/bidders. The time frame for attending to the fault and restoration of equipment within the warranty period and the penalty clause for the defaulters will be included in the agreement. All the tender documents including N.I.T. & B.O.Q. will be part of the contract documents. After receipt of the Letter of Acceptance, the successful bidder shall have to submit requisite copies of contract documents downloaded from the website stated in the N.I.T. along with requisite cost through Demand Draft issued from any nationalized bank in favor of the Director General of Police Telecommunication, West Bengal for the concerned work within the time limit to be set in the letter of acceptance.

## XII. TENDER VALID/TY PERIOD:

The contract period will be up to july 2025

Deputy Rap Coneral of Posice Telecommunication, West Benga

Committee for Preparation and Up-loading of e-NIT:

DIG. Telesom, WB

(Charman)

Dr. Monojit Mitra,

HOD, Deptt. Of Electronics

HEST, Shibpur

Shri Dilip Sarkar Dysp (Tech)Telecom, WB Shri Samy Roy Choudhury Inspr. (Tech), Tower TC HQ

FORMAT FOR CHECK LIST

# FORMAT FOR CHECK LIST

| CT NT  | Items  |     | ark ✓ | Page No. |  |
|--------|--|-----|-------|----------|--|
| SI.No. | Application submitted in Annexure - I uploaded.  | Yes | No    |          |  |
| 1      | Copy of PAN Card uploaded.   | Yes | No    |          |  |
| 2      |  | 32  | ΝĬα   |          |  |
| 3      | Copy of GST Registration Certificate uploaded.   | Yes | No    |          |  |
| 4      | Copy of Trade License uploaded.  | Yes | No    |          |  |
| 5      | Scan copy of the online transfer of the EMD document uploaded.   | Yes | No    |          |  |
| 6      | Last 3 financial years' returns of Income Tax, i.e., for 2020-21, 2021-22& 2022-23 uploaded.   | Yes | No    |          |  |
| 7      | Valid Insurance coverage for all Tower workers and agreement for close monitoring of the use of safety belts&helmets at the time of work positively. |     |       |          |  |

## Note:

- i. The bidders are requested to see that all of the above columns are marked.
- ii. If any of the information furnished above is found to be false, action as per the tender rule will be Initiated.

## Annexure- I

# APPLICATION FORMAT

(To be furnished in the Company's official letter pad with full Address and Contact No., etc.)

To: The Director General of Police Telecommunication, West Bengal 3 Manik Bandyopadhyay Sarani Tollygunj, Kolkata 700 040

Mobile No.: e-Mail Address:

| Sub: NIT for Wireless Stores at Office of theDirector General of Police,<br>Telecommunication, West Bengal, 3 Manik Bandyopadhyay Sarani, Tollygunj, Kolkata 700 040. |        |
|---|--------|
| Ref:  |        |
| Sir,  |        |
| Having examined the pre-qualification & other documents published in the NT. If we have a sale all the necessary information and relevant documents for evaluation:   |        |
| 1. That the application is made by me / us on behalf of In the capacity of  | e e ol |
| Signature of the applicant including the title. and capacity in which the application is made. Telephone No.:   |        |

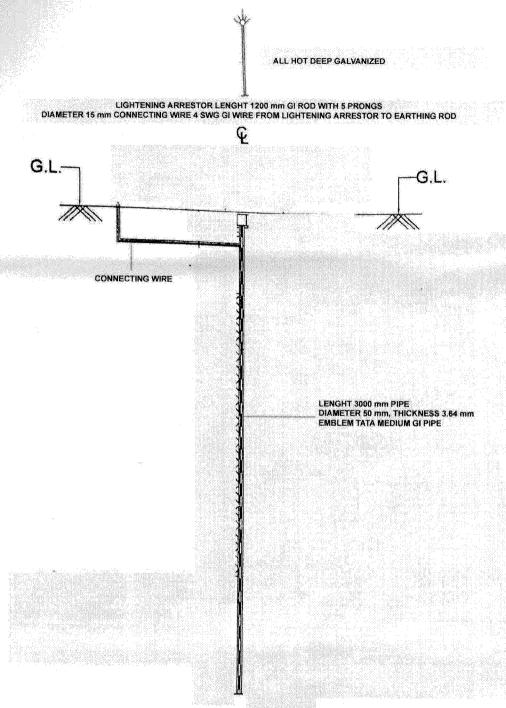
# Annexure - II

Authorization letter from Company for authorized signatory.

## Annexure - III

Copy of agreement signed between tenderers and the distributor etc.

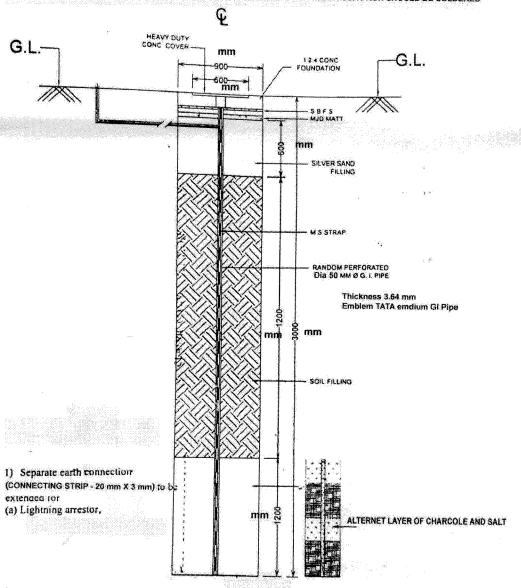
## ANNEXURE -IV



LIGHTENING ARRESER WITH EARTHING



LIGHTENING ARRESTOR LINGTH 1500 mm GI ROD WITH 5 PRONGS, DIAMETER - 15 mm CONNECTING STRIP - 20 mm X 3 mm ALL THROUGH THE EACH AND EVERY JOINT JUNCTION SHOULD BE SOLDERED



DETAIL OF TIPICAL LIGHTENING ARRESTOR WITH EARTHING

## **ANNEXURE -VI**

# UNDERTAKING REGARDING BLACKLISTING

[ To be executed on Rs.10/- non Judicial Stamp paper and duly notarized ]

| I/we  |
|---|
| Contractor/Partner or Sole Proprietor (Strike out the word which is in applicable) of (Firm contractor)   |
| do hereby declare and solemnly affirm that the individual firm/   |
| companies M/s have not been blacklisted during last 5 years by the Union or State Government and the individual/firm/companies blacklisted by the Union or State Governments or any partner or shareholder thereof are not directly or indirectly connected with or has any subsisting interest in business of my firm.  Deponent |
| Dated Address   |
| I do hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and it conceals nothing.  |
| Dated : Deponent  |