

## MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

CIN: U40109MH2005SGC153646

## Office of the Chief Engineer (STU)

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MSETCL/CO/STU/TBCB/Monitoring/IE/

No 10.805

Date:17/12/2025

## **Budgetary Offer**

**Subject:** Inviting Firm Offer for estimation purpose to Appointment of Independent Engineer for Monitoring of Transmission Project under TBCB. ----- Extention thereof.

We are writing to formally request a firm offer from your esteemed organization for the appointment of Independent Engineer to monitor the execution and construction of substations, transmission lines, underground cables, communication systems, and related infrastructure on behalf of the Maharashtra State Transmission Utility (MahaSTU). The transmission project is awarded to the Transmission Service Provider (TSP) under the Tariff-Based Competitive Bidding (TBCB) route. The appointment of Independent Engineer will be within the framework of the Transmission Service Agreement (TSA) executed between STU and the respective TSP.

As part of the ongoing and upcoming transmission projects, the Independent Engineer's role will be crucial in ensuring the successful and timely completion of the works. The IE/consultancy firm should have the qualifying requirements as enclosed at Annexure-I. Scope of Works of the individual Transmission Projects for which Independent Engineer is required to be appointed is enclosed at Annexure II.

The Independent Engineer shall deploy qualified and experienced personnel to carry out the assignment throughout the duration of the project execution period in accordance with task/requirement of the project. The experience, qualification and roles & responsibilities of key personal shall be as below:

| Sr.<br>No. | Position                           | Qualification and<br>Experience required   | Roles and Responsibilities  |
|------------|------------------------------------|--|---|
| 01         | Team Leader cum<br>Project Manager | BE/BTech (Elect/Mech/Civil) Should have at least 8 years post qualification experience in EHV transmission projects and have worked in at least two assignments for 220 kV or above voltage level as Team leader/Project Manager | i) Monitoring Overall progress of project in coordination with TSP/SPV.  ii) Verification of the Drawings, Design and specifications of material and equipments as per standards. |

|   |  | Particular City Appoint   | iii) iv) v)           | Identifying delays and lapses in project execution and ensure compliances with project timelines.  Witnessing and recording the testing and commissioning activities of major equipments.  Coordination with S/s and line experts and verifying progress at actual and recorded through experts.  Submission of progress of project outlining each activity (using GANTT |
|---|--|---|-----------------------|--|
|   | Charles The new con-   | LOSSIC CONT. DOCTOR CAROLINA  | HITCHIOT I EL         | chart) on fortnightly basis.   |
| 2 | Substation Expert(AIS/GIS as applicable)   | BE/BTech (Elect) Should<br>have at least 05 years<br>experience in EHV                                    | for –                 | Experts shall be responsible   |
|   | entential butalog buta-<br>ej woles inscensi of C. C.<br>con a busa in the color   | transmission<br>substation(AIS/GIS as<br>applicable) projects and   | i)                    | Monitoring and maintaining record of overall progress of substation including civil and electrical works.  |
|   | APPA months toluna   | have worked in at least two<br>assignments for 220 kV or<br>above voltage level as<br>Team leader/Project | ii)                   | Verification of the<br>Drawings, Design and<br>specifications of substation<br>material and equipments as  |
|   |  | Manager   | iii)                  | per standards. Witnessing and recording the testing and commissioning activities of  |
|   | Tel American   | ea Bhean silune symplica<br>activities and activities and   | iv)                   | all substation equipments.  Submission of progress of substation activities to team  |
|   |  |   |                       | leader on weekly basis.  |
| 3 | Transmission Line<br>Expert  | BE/BTech (Elect/Civil)<br>Should have at least 05   | Transmiss responsible | ion Line Experts shall be  |
|   | Expert   | years experience in EHV   | responsion            | in a consumit framings   |
|   | Adjustinia & salar Lea   | transmission line projects<br>and have worked in at least<br>two assignments for 220                      | i)                    | Monitoring and maintaining record of overall progress of transmission line including civil and electrical works.   |
|   | intidleimegazit bara zelo.<br>Kempapan sit tlank cutani  | kV or above voltage level<br>as Team leader/Project<br>Manager  | ii)                   | Verification of the Drawings, Design and specifications of transmission line material  |
|   | gamanada<br>en se serron   | d Regional Assessor   | iii)                  | and equipments as per<br>standards.<br>Witnessing the work of<br>Conductor / Earth wire  |
|   | Terretain to the control of the cont |   | iv)                   | stringing, tower erection at critical locations.  Submission of progress of transmission line activities to team leader on weekly basis.   |

| 4 | Field Engineer<br>(Substation-AIS/GIS<br>as applicable)  | BE/BTech or Diploma (Elect/Civil) Should have at least 02 years experience in EHV transmission substation (AIS/GIS) construction projects.   | Field En<br>responsib    | le for –  Daily Monitoring and maintaining record of progress of substation works including civil and electrical works. |
|---|--|--|--------------------------|---|
|   | ST CAT LOT BOARD   |  | ii)                      | Verification of the Drawings, Design and specifications of substation material and equipments as per standards.         |
|   | (Tata Lass) states   | enp atomos.  | iii)                     | Witnessing and recording<br>the testing and<br>commissioning activities of  |
|   | dina   | Users 10 s<br>Users 10 s<br>unimiscus pour<br>fir-feit   | iv)                      | all substation equipments.  Submission of progress of substation activities to Substation Expert on daily basis.        |
| 5 | Field Engineer (Transmission Line)   | BE/BTech or Diploma (Elect/Civil) Should have  | Transmiss<br>responsible | sion Line Experts shall be  |
|   | (a) (b) otherway (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c  | at least 02 years experience in EHV transmission line construction projects.   | v)                       | Daily Monitoring and<br>maintaining record of<br>progress of transmission   |
|   |  | construction projects.   | Viv                      | line including civil and electrical works.  Verification of the   |
|   | demonstrative constraint (T20 Results) at the  | som viviginalisma<br>som viviginalisma<br>som viviginalisma  | vi)                      | Verification of the Drawings, Design and specifications of transmission line material                                   |
|   | 3110   | (U elslagh.)<br>(U elslagh.)   | military in              | and equipments as per standards.  |
|   | a selección de la constante de | 10 - County of the county of t | vii)                     | Witnessing the work of Conductor / Earth wire stringing, tower erection at  |
|   |  | emingspeak times<br>for  | viii)                    | critical locations.  Submission of progress of transmission line activities to Transmission Line expert                 |
|   | acon and LAC   |  |                          | on daily basis.   |

It is kindly requested to provide a project wise firm offer outlining the following details:

| Sr No | Name of Project  | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month (excl. GST) | Total<br>Amount |
|-------|--|--|---|------------------------|-----------------|
| 1     | Project 01-<br>Establishment of<br>400/220 kV<br>Velgaon Substation<br>(GIS) | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line | 22 months                                     |                        |                 |

|                              | Expert-01 Field Engineer(Trans Line)-01 |            |             |
|------------------------------|---|------------|-------------|
| the free mailed of a burn of | a bolitynessa 120                       | GST        | Rate (in %) |
| show Inc. spala              |   | GST Valu   | ue (In INR) |
| in le materificati           |   | Grand Tota | l incl. GST |

| Sr No                            | Name of Project   | Required Manpower<br>Details  | Manpower<br>engagement<br>period in<br>Months | Rate/month (excl. GST) | Total<br>Amount |
|----------------------------------|---|---|---|------------------------|-----------------|
| engon<br>engon<br>engon<br>la la | Project 02- Establishment of 400 kV D/C line from 400 kV Jejuri (existing) to 400 kV Hinjewadi (2000MW Capacity each) | Team Leader - 01 Transmission Line Expert- 01 Field Engineer(Substation AIS/GIS)- 01 Field Engineer(Transmission Line)-01 | 22 months                                     |                        |                 |
|                                  |   |   | G   | ST Rate (in %)         |                 |
|                                  | History Chief In a  | ANTHON OF THE   | GST   | Value (In INR)         |                 |
| (malayani                        | n to same   | The same of the same  | Grand 7                                       | Total incl. GST        |                 |

| Sr No   | Name of Project  | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month<br>(excl. GST) | Total<br>Amount |
|---|--|--|---|---------------------------|-----------------|
| Artino<br>for altino<br>non-artino<br>accuracy<br>mention | Project 03-<br>Establishment of<br>400/220 kV AIS<br>Saswad (Dist. Pune) | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 | 22 months                                     |                           |                 |
| mpo an  | enoisement of  |  | G   | ST Rate (in %)            |                 |
|   | Same Allen no. 199   |  | GST   | Value (In INR)            |                 |
|   |  |  | Grand 7                                       | Total incl. GST           |                 |

| Sr No | Name of Project                                      | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month<br>(excl. GST) | Total<br>Amount |
|-------|--|--|---|---------------------------|-----------------|
| 1     | Project No 04 -<br>Establishment of<br>AIS Pune East | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 | 22 months                                     |                           |                 |

| in area the lister aritant attravella fedure | GST Rate (in %)       |
|--|-----------------------|
| and winds of which                           | GST Value (In INR)    |
| din America tentave I suggest it is          | Grand Total incl. GST |

| Sr No   | Name of Project  | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month<br>(excl. GST)                     | Total<br>Amount |
|---------|--|--|---|---|-----------------|
| i vello | Project No 05 -<br>Establishment of<br>400/220/132 kV AIS<br>Umred (Dist.<br>Nagpur)   | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 | 22 months                                     | polegomi II A<br>adrew svoria.<br>ganoformoso |                 |
|         |  |  | G   | ST Rate (in %)                                | -3-14           |
| - V.    | THE OWNER OF THE OWNER OWNER OF THE OWNER O |  | GST   | Value (In INR)                                |                 |
| AM ST   |  |  | Grand 7                                       | Γotal incl. GST                               | = 365.0         |

| Sr No | Name of Project   | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month<br>(excl. GST) | Total<br>Amount |
|-------|---|--|---|---------------------------|-----------------|
| 1     | Project No 06 -<br>Establishment<br>of400/220/132 kV<br>Washi SS<br>(Dharashiv) | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 | 22 months                                     |                           |                 |
|       |   |  | G   | ST Rate (in %)            |                 |
|       |   |  | GST   | Value (In INR)            |                 |
|       |   |  | Grand 7                                       | Γotal incl. GST           |                 |

| Sr No | Name of Project   | Required Manpower<br>Details   | Manpower<br>engagement<br>period in<br>Months | Rate/month<br>(excl. GST) | Total<br>Amount |
|-------|---|--|---|---------------------------|-----------------|
| 1     | Project No 07-<br>Establishment of<br>400/220 kV AIS<br>Wagdari | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 | 22 months                                     |                           |                 |
|       |   |  | G   | ST Rate (in %)            |                 |
|       |   |  | GST   | Value (In INR)            |                 |
|       |   |  | Grand 7                                       | Γotal incl. GST           |                 |

The Man-Month rates for remuneration for Key Personnel quoted above are inclusive of all costs such as salary & allowances etc. for carrying out all activities as per scope of work.

Cost to be incurred for carrying out scope of work as detailed in Annexure-I towards support staff and Travel of Key Personnel to site/substation/STU Office where work is to be carried out inclusive in the above rates.

- Please note that said budgetary offer is only for estimate purpose and no work order will be issued based on this Enquiry.
- All interested bidders are requested to submit their best reasonable budgetary offer for above works on Email ID: cestu@mahatransco.in/ semonitoring@mahatransco.in/eemonitoring@mahatransco.in upto. 17:00 Hrs on dtd. 22/12/2025

Yours faithfully

Peeyush S. Sharma Chief Engineer (STU)

| Sr<br>No | Project No 01 - Establishment of 400/220 kV  Scope of the Transmission Scheme | Scheduled<br>COD in<br>months from<br>Effective Date | Details of Persons<br>to be deputed  |  |
|----------|---|--|--|--|
|          | Establishment of 3x500 MVA, 400/220 kV ICT S/s (GIS)                          | 24 months  | 100  |  |
|          | 400/220 kV, 500 MVA ICT – 3 Nos.  |  | Team Leader- 01 Substation Expert(AIS/GIS)- 01 Field Engineer (Substation-) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 |  |
|          | 400 kV ICT bays – 3 Nos.  |  |  |  |
|          | 400 kV Line bays – 4 Nos.   |  |  |  |
|          | 220 kV ICT bays – 3 Nos.  |  |  |  |
|          | 220 kV line bays- 10 Nos  |  |  |  |
|          | 125 MVAr Bus Reactor at 400 kV level – 1 No.                                  |  |  |  |
| 1        | 220 kV Bus Sectionaliser bay -01 No.  |  |  |  |
|          | Space For Future Scope:   |  |  |  |
|          | 1x500MVA, 400/220kV ICT   |  |  |  |
|          | 400 kV Line bays for connectivity with Boisar –II (PG) -02 Nos.               |  |  |  |
|          | 220 kV Line bays – 04 nos   |  |  |  |
|          | 400kV ICT bay- 1 No.  |  |  |  |
|          | 220kV ICT bay – 1 No  |  |  |  |
| AJ       | 220 kV Bus Sectionaliser bay -01 No   |  |  |  |
|          | Scope of the Transmission Schem   |  |  |  |
| 2        | 400 kV LILO on Tarapur-Kudus II D/C line                                      |  |  |  |
| 3        | 220 kV LILO on Dahanu-Ghodbunder D/C line                                     |  |  |  |
| 4        | 220 kV LILO on Boisar-Borivali S/C line                                       |  |  |  |
| 5        | 220 kV LILO on Dahanu-Versova S/C line  |  |  |  |
| 6        | 220 kV LILO on Boisar-Versova S/C lin   | SVENDO   |  |  |

| Project No 02 - Establishment of 400 kV D/C line from 400 kV Jejuri (existing) to 400 kV Hinjewadi (2000MW Capacity each) |  |   |  |  |  |
|---|--|---|--|--|--|
| Sr<br>No  | Scope of the Transmission Scheme   | Scheduled COD in<br>months from<br>Effective Date | Details of Persons to be deputed                       |  |  |
| all<br>one  | 400 kV D/C line from 400 kV Jejuri (existing) to 400 kV Hinjewadi (2000MW Capacity each) | Tomaniana Seher                                   | Team Leader-01<br>Transmission Line                    |  |  |
| 1   | 400kV Line bay at 400 kV Jejuri Substation: 2<br>Nos. (GIS)*                             |   | Expert- 01 Field Engineer(Substation-                  |  |  |
| y de  | 400kV Line bay at 400 kV Hinjewadi<br>Substation:2 Nos. (GIS)**                          | 24 months   | AIS/GIS)-01 Field<br>Engineer(Transmission<br>Line)-01 |  |  |

| Sr<br>No   | Scope of the Transmission Scheme  | Scheduled<br>COD in<br>months from<br>Effective Date   | Details of Person<br>to be deputed   |
|------------|---|--|--|
|            | Establishment of 2x500MVA, 400/220 kV AIS with 1x125  | Li one di Loce di  |  |
|            | MVAR bus Reactor at 400 kV level.   |  |  |
|            |   |  |  |
|            | 400/220 kV, 500 MVA, ICT – 2 Nos.   | O lev Liking by s  |  |
|            | 125 MVAr, 400 kV Bus Reactor -1 No  | - 276d TSR 72-0  |  |
|            | 400 kV ICT bays – 2 Nos.  |  |  |
| 1          | 220 kV ICT bays – 2 Nos.  | The state of   |  |
| stiles     | 400 kV line bays – 4 Nos.   | DA MANAL BIR KG  |  |
|            | 220 kV line bays – 8 Nos.   | DEV Rus Saction  |  |
|            | 400 kV reactor bay– 1 No.   | must ref son   |  |
|            | Future space Provisions:  | CHOICE AND THE   | Team Leader- 01  |
|            | 400/220 kV, 500 MVA, ICT – 1 No.  |  | Substation   |
|            | 400 kV ICT bays – 1 No.   | THE RESERVE OF THE RE | Expert(AIS/GIS)- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 |
| 149        | 220 kV ICT bays – 1 No.   | 24 months  |  |
| 2          | 400 kV Line bays at 765 kV (GIS) Pune-(III) (proposed)  |  |  |
|            | 400 kV GIS line bay - 2 Nos   |  |  |
| 3          | 220 kV Line Bays at 220 kV AIS Theur (Existing)   |  |  |
|            | 220 kV AIS line bay - 02 Nos  | moduce and vid   |  |
| 4          | 220 kV Line Bays at 220 kV AIS Nanded City (Existing)   | mark! His forest   |  |
| 4          | 220 kV (AIS) line bay - 02 Nos  | inchine Chill VIII<br>inchine Chill VIII<br>inchine Chill VIII   |  |
| 5          | 400 kV D/C line from 400 kV AIS Saswad (New) to 765 kV (GIS) Pune-III (Proposed)  |  |  |
| 6          | LILO on 400 kV S/C line from 400 kV AIS Lonikand-I (Existing) to 400 kV GIS Koyna (Existing) at 400 kV AIS Saswad(New)              |  |  |
| 7          | 220 kV D/C line with HPC Conductor from 400 kV AIS Saswad (New) to 220 kV (AIS) Theur (existing)                                    |  |  |
| 8          | LILO on both circuits of 400 kV AIS Jejuri (Existing) to 220 kV AIS Phursungi (Existing) D/C 220 kV line at 400 kV AIS Saswad (New) | datel - Stab   | Peals  |
| 9          | 220 kV D/C line from 400 kV AIS Saswad(New) to 220 kV AIS Nanded City (Existing)  |  |  |
| rami       | Project No 04 - Establishment of AIS  | Pune East  | - W Jan -  |
| SI.<br>No. | Scope of the Transmission Scheme  | Scheduled COD in months from Effective Date  | Details of<br>Persons to be<br>deputed   |
|            | Establishment of AIS Pune East with 2x1500 MVA, 765/400 kV ICT with 1x240 MVAR bus Reactor at 765 kV level                          | a.V Ling hay at 40<br>station 2 Loc 103  | Team Leader- 0   |
|            | 765/400 kV 1500 MVA ICT - 2 Nos   |  | Substation Exper   |
| 1          | (7x500 MVA single phase units including one spare ICT Unit)   | 24 months Engine   |  |
|            | 240 MVAr, 765 kV Bus Reactor -1 No.   |  | (Substation) - 0   |
|            | (4 x 80 MVAr single phase units including one spare Reactor Uni   |  | Transmission Li  |

|   | 765 kV ICT bays – 2 Nos.  | Expert-01  |
|---|---|--|
|   | 400 kV ICT bays – 2 Nos.  | Field  |
|   | 765 kV line bays – 4 Nos.   | Engineer(Trans   |
|   | 400 kV line bays – 4 Nos.   | Line)-01   |
|   | 765 kV reactor Bay- 1 No.   | Control of the Contro |
|   | Future space Provisions:  | HOW VANDE  |
|   | 765 kV line bays- 06 Nos.   | SET OF THE PARTY O |
|   | 400 kV line bays – 04 Nos   | a Calabo Oallah  |
| 2 | LILO of both circuits of 765 kV Pune(GIS) (Shikrapur-PG)(Existing) to 765 kV Pune-III(GIS)(Proposed) 765 kV D/C line at 765 kV AIS Pune(East) | akir Burini, Vi<br>1 Skr na O.H. I<br>Iwasi'i BormU  |
| 3 | 400 kV D/C line from 765 kV AIS Pune (East) to 400 kV AIS<br>Karjat (Existing)  | Hanta Val 001  |
| 4 | 400 kV D/C line from 765 kV AIS Pune(East) to 400 kV AIS Lonikand-II (Existing)   | of the Line La   |
| - | 400 kV line end bays at 400 kV AIS Karjat (Existing) and 400 kV AIS Lonikand- II (existing)   |  |
| 5 | 400 kV line bays at 400 kV AIS Kajrat (existing) - 2 Nos  | mil Line   |
|   | 400 kV line bays at 400 kV AIS Lonikand-II (existing) - 2 Nos   |  |

| Sl.<br>No. | Scope of the Transmission Scheme  | Scheduled COD in months from Effective Date | Details of<br>Persons to be<br>deputed   |
|------------|---|---|--|
|            | Establishment of 2 x 500MVA, 400/220 kV ICTs  | 24 Months                                   | Team Leader- 01 Substation Expert- 01 Field Engineer (Substation) - 01 Transmission Line Expert-01 Field Engineer(Trans Line)-01 |
|            | Establishment of 2 x 300MVA, 400/132 kV ICTs  |   |  |
|            | Establishment of 1 x 125 MVAR bus Reactor at 400 kV level.  |   |  |
|            | 400/220 kV, 500 MVA, ICT- 2 Nos.  |   |  |
|            | 400/132 kV, 300 MVA, ICT-2 Nos.   |   |  |
|            | 125 MVAr, 400 kV Bus Reactor -1 No.   |   |  |
|            | 400 kV ICT bays -4 Nos.   |   |  |
| 1.         | 220 kV ICT bays -2 Nos.   |   |  |
| 1.         | 132 kV ICT bays -2 Nos.   |   |  |
|            | 400 kV line bays -4 Nos.  |   |  |
|            | 220 kV line bays - 6 Nos.   |   |  |
|            | 132 kV line bays - 6 Nos  |   |  |
|            | 400 kV Bus Reactor bay-1 No.  |   |  |
|            | Space Provision for Future Scope:   |   |  |
|            | 1 x 300MVA, 400/132kV ICT   |   |  |
|            | 400 kV ICT bay- 1 No.   |   |  |
|            | 132 kV ICT bay – 1 No   |   |  |
| 2.         | LILO on Both circuits of 400 kV Tiroda (Adani) (existing) - Warora (MSETCL) (existing) D/C line at 400/220/132 kV Umred (New) |   |  |

| 3. | 220 kV D/C line from 400/220/132 kV Umred (New) to 220 kV Add. Buttibori (Proposed)                              | L - a gaid (CN) Val 507*   |
|----|--|--|
| 4. | LILO on Both circuit of 220 kV Umred (existing)-<br>Nagbhid (proposed) D/C line at 400/220/132 kV Umred<br>(New) | E-system VS kV   1   |
| 5. | 132 kV D/C line from 132 kV Kolari (existing) to 400/220/132 kV Umred (New)                                      | Mileved escreption and the base of the bas |
| 6. | LILO on 132 kV Kanhan – Bhandara Ckt at 400/220/132 kV Umred (New)   | in sepa and 7.4001.  |
| 7. | LILO on 132 kV Kanhan – Mouda Ckt at 400/220/132 kV Umred (New)  | E PA (Estation) to 763<br>Houte 75-5 V Als.1   |
| 8. | 220 kV Line End Bays at 220 kV Addl. Buttibori<br>(Proposed)- 02 Nos   | 400 VA BA Hay troit<br>Karat (Examing)   |
| 9. | 132 kV Line End Bays at 132 kV Kolar (Exisitng)- 02<br>Nos   | ion and CAO VA BUB   |

| Sl.<br>No. | Project No 06-Establishment of Washi S Scope of the Transmission Scheme .  | Scheduled COD in months from Effective Date | Details of<br>Persons to be<br>deputed |
|------------|--|---|--|
|            | Establishment of Washi SS with 2x500 MVA, 400/220 kV ICT and 2x300 MVA, 400/132 kV ICT with 1x125 MVAR bus Reactor at 400 kV level |   |  |
|            | 400/220 kV, 500 MVA, ICT – 2 Nos.  |   |  |
|            | 400/132 kV, 300 MVA, ICT – 2 Nos.  |   |  |
|            | 125 MVAr, 400 kV Bus Reactor -1 No   | C No special all de                         | BUILDER - Turk                         |
|            | 400 kV ICT bays – 4 Nos.   | C to signatelida                            |  |
|            | 220 kV ICT bays – 2 Nos.   | No insundated                               | T 1 1 01                               |
|            | 132 kV ICT bays – 2 Nos.   | 1   |  |
|            | 400 kV line bays – 2 Nos.  | 14.002 74.000V                              | Team Leader- 0                         |
|            | 220 kV line bays – 4 Nos.  | A MORE THE PER                              | Expert- 01                             |
|            | 132 kV line bays – 2 Nos   | ALIGNE SEVAL                                | Field Engineer                         |
|            | 400 kV reactor bay- 1 No.  | 24 Months                                   | (Substation) - 01                      |
|            | Future space Provisions:   | 24 Wollans                                  | Transmission                           |
|            | 220 kV line bay for Solar Generators 8 Nos.  |   | Line Expert-01<br>Field                |
| 1          | 132 kV line bay for Solar Generators 8 Nos.  | - 3 (180 1 OI VOR                           | Engineer(Trans<br>Line)-01             |
| 2          | 400 kV D/C line from 400/220/132 kV AIS Washi (new) to 765/400 KV AIS Pune (East)(Proposed)  | e-type and v 2<br>e-gype and V3             |  |
| 3          | 220 kV D/C Line from 400/220/132 kV AIS Washi (New) to 220 kV AIS Manjarsumba (existing)   | a - a gad osob Val<br>proast Read V-1       |  |
| 4          | 220 kV D/C Line from 400/220/132 kV AIS Washi (New) to 220 kV AIS Paranda (existing)   | A malayyar Fac                              |  |
| 5          | 132 kV D/C line from 400/220/132 kV Washi (New) to 132 kV AIS Kalamb (existing)  |   |  |
| 6          | 220 kV bays at Manjarsumba (existing) S/s and Paranda (existing) S/s   |   |  |

|       | 220<br>No | 0 kV (AIS) line bay at 220 kV Manjarsumba (existing)- 2  | mileta Vitter  |  |
|-------|-----------|--|--|--|
|       | 220       | 0 kV (AIS) line bay at 220 kV Paranda (existing) - 2 Nos   |  |  |
|       | for       | 0 kV line bays at 765 kV AIS Pune (East) (New) (Proposed) termination of 400 kV D/C line from 400 kV AIS ashi(new) to 765 kV AIS Pune (East)(Proposed) | o ne en electrica de la company de la compan |  |
| 7     | 400       | 0 kV line bay at Pune (East)(Proposed) – 2 Nos.  | pagnati SIV. An  |  |
|       | kV        | 2 kV line bays at 132 kV AIS Kalamb for termination of 132 D/C line from 400 kV AIS Washi (New) to 132 kV AIS lamb (existing)                          | CLERY ABUMA<br>(deletings 02 by  |  |
| 8     | 132       | 2 kV line bay at Kalamb (Existing)- 2 Nos.   |  |  |
|       |           | Project No 07-Establishment of AIS   | Wagdari  |  |
| SI. N | No.       | Scope of the Transmission Scheme   | Scheduled COD in months from Effective Date  | Details of<br>Persons to be<br>deputed   |
|       |           | Establishment of AIS Wagdari with 3x500 MVA, 400/220 kV ICT with 1x125 MVAr Bus Reactor at 400 kV level.   |  |  |
|       |           | 400 / 220 kV, 500 MVA, ICTs – 03 Nos.  |  |  |
|       |           | 400 kV Line Bays – 04 Nos.   |  | Team Leader- 0 Substation Expert- 01 Field Engineer (Substation) - 0 Transmission Line Expert-01 Field Engineer(Trans Line)-01 |
|       |           | 400 kV ICT Bays – 03 Nos   |  |  |
| 1     |           | 400 kV Bus Reactor Bay- 01 No.   |  |  |
| 1     |           | 220 kV Line Bays -04 Nos.  |  |  |
|       |           | 220 kV ICT Bays – 03 Nos.  |  |  |
|       |           | Future Space Provisions:   |  |  |
|       |           | Establishment of 1x500 MVA 400/220 kV ICT  |  |  |
|       |           | 400 / 220 kV, 500 MVA, ICT – 01 No.  |  |  |
|       |           | 400 kV ICT Bays – 01 No.   |  |  |
|       |           | 220 kV ICT Bays – 01 No.   | 24 Months  |  |
|       | -         | 400 kV D/C line from 400 kV AIS Wagdari (New) to 765 kV Pune (East) (Proposed)   |  |  |
| 2     |           | 400 kV ,63 MVAr Switched Line Reactor at 400 kV AIS<br>Wagdari-02 Nos  |  |  |
|       |           | 400 kV ,50 MVAr Switched Line Reactor at 765 kV AIS Pune(East)(proposed)-02 Nos  |  |  |
|       |           | 400 kV AIS line bays at 765 kV AIS Pune<br>(East)(proposed)-02 Nos   |  |  |
| 3     |           | 400 kV D/C line from 400 kV AIS Wagdari (New) to 400 kV Solapur Pooling Station(Sec-II) (PG)   |  |  |
| 3     |           | 400 kV line bays at 400 kV Solapur Pooling station(Sec-II) (PG)-02 Nos   |  |  |
| 4     |           | 220 kV D/C Line from 400 kV AIS Wagdari (New) to 220 kV AIS Wagdari (Proposed)   |  |  |

|   | 220 kV AIS line bays at 220 kV AIS Wagdari(proposed)-02<br>Nos                    |     |  |
|---|---|-----|--|
| 5 | Establishment of 400 kV line Bays for Solar Generators at 400 kV AIS Wagdari.     |     |  |
|   | 400 kV line bays - 04 Nos   |     |  |
| 6 | Establishment of 220 kV line bays for Solar Generators 400 kV AIS Wagdari.        | 104 |  |
|   | 220 kV line bays - 04 Nos   | 0.8 |  |
| 7 | 220 kV D/C line from 400 kV AIS Wagdari (New) to 220 kV AIS Narangwadi (Existing) | 101 |  |
|   | 220 kV AIS line bays at 220 kV AIS Narangwadi<br>(existing)-02 Nos                | W.1 |  |