

**TENDER DOCUMENT FOR CIVIL ARC AND OTHER INFRASTRUCTURE AT
BALCO PLANT.**

TENDER NO: BALCO/COM/ SERVICES/20-21/CIVIL ARC

SEND YOUR OFFER WITHIN 7 DAYS THROUGH E-MAIL

To,

Head Commercial

Bharat Aluminum Company Ltd.

Commercial Office Admin Building, 1st Floor BALCO NAGAR **KORBA –
495684**

Chhattisgarh State India

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Attached herewith is our Tender Document for the details are attached below:

- 1. Instruction to the Bidder.**
- 2. Offer letter.**
- 3. Bill of Quantities**
- 4. Balco General Terms & Condition.**

We are looking forward to an extended relationship and are open to negotiate long term contracts if that is mutually beneficial.

Please note that completion of the response, in terms of the Formats to be filled and data to be furnished, will be one of the criteria for evaluation of the vendors.

We will be happy to assist you with the process. Feel free to reach out to any of the people listed below.

For Clarifications:

Commercial: Mr. Akhil Ruttala, Mob. No: 9109121515

Mr. Brij Kishor Yadav, Mob. No: 9981503937

Technical: Mr. Neeraj Singh, Mob. No: 9178454176

1) INSTRUCTION OF BIDDERS

Vedanta Resources plc (“Vedanta”) is a LSE listed FTSE 100 Company with a market cap including that of its listed subsidiaries of about \$ 50 billion. We operate across the following core business sectors: Zinc-Lead-Silver, Copper, Aluminum, Iron Ore and Energy, with operation located in geographies spanning India, Australia, UAE, Zambia, South Africa, Namibia and Ireland. Over the past 5 years the group has displayed exemplary appetite for organic and inorganic growth-with an industry leading organic growth program of \$ 20billion nearing completion.

Bharat Aluminium Company Limited (BALCO), a Member of Vedanta India is a fully integrated Aluminium producer with an installed capacity of 245 ktpa aluminium and 810 MW of power. We are currently implementing expansion projects, which includes a 650 ktpa capacity Aluminium smelter (1st phase 3.25 ktpa) and 1200 MW Power Plant. With the completion of these projects, BALCO will have a total installed metal capacity of 1 mtpa and 2010 MW of power. Our metal business currently produces 75 ktpa rolled products & 200 ktpa wire rods & with completion of 1st phase metal expansion, rolled products & wire rods capacity shall increase to 80 ktpa & 500 ktpa respectively. Our businesses also include a coal mines and operating Bauxite mines.

What BALCO is looking forward with this contract:

- ❖ 100% adherence to all the deliverables.
- ❖ High Level of Service quality.
- ❖ Ensuring an accident free environment while work.
- ❖ 100% reporting of all the near miss incidents and corrective measures for all to ensure no accident due to the unsafe conditions.
- ❖ Increased availability of all the equipment's and the total system to ensure better efficiency and higher levels of productivity.
- ❖ Ensuring higher productivity through introduction of innovative ideas and better Operating Procedures.

Information / Credential of Service Providers / Bidder Provide us the credentials as per attached excel sheet

The following information is Compulsory and should be furnished completed in all aspects along with your offer.

- I. Brief history of organization, along with organization chart, mentioning the Name, Designation & Tel. Nos of the contact persons in your company holding all key positions.
- II. Client list, with copies Contracts of your Top 5 clients.
- III. Banker's name and your Company's annual audited report / Balance Sheet for last 3 years.
- IV. The details of Machinery and Equipment available with you which are in working condition are to be furnished.
- V. If the space provided in the registration form is not sufficient, please attach separate
- VI. Sheets and give Annexure reference number on the attached sheet.
- VII. Registration Details
- VIII. Registration No. and date (Kindly attach a photocopy of registration certificate)
- IX. Membership to any body
- X. Any other Statutory Registration.
- XI. Registration details with taxation authorities:
 - a. Permanent Income Tax A/c No.
 - b. Service tax Registration
- XII.** For any new agency participating first time in BALCO tendering, must register their company as new service vendor on our SRM Portal at www.balcoindia.com/vendorzone

2) **FORMAT FOR OFFER LETTER**

Head Commercial Bharat Aluminum Company Ltd. Commercial Office Admin
Building BALCO NAGAR
Korba – 495684

Offer reference N.: /.....dt. **2019:**

Sir,

1. We hereby undertake to perform the scope of work as defined in the condition of Bharat Aluminum Co. Ltd., Tender Ref no:....., dated.....2018 at the prices and within the period stated in the attached schedules & in conformity with all the conditions is included therein.

2. This offer is valid for a minimum period of 180 days.

3. We agree that any Contract placed as result of this offer will be in accordance with the terms & conditions in the said offer. We declare that any other terms or conditions of the contract or any general reservations which may be printed on any correspondence of documents emanating from us in connection with tender shall not form part of any resulting contract unless specifically agreed to by BALCO and included in this contract.

4. We also enclose herewith the following documents:

A. Schedule of compliance with

1. Acceptance of contract conditions.
2. Schedule of prices (Price Formats to be completed)
3. The offer should contain all the details like Service Tax Reg. No. etc.

B. Documents required by BALCO as mentioned in “**Instructions to Bidders**”.

M/s (Name and Address of the Company)

Signature of the authorized Signatories

3) **BILL OF QUANTITIES**

S.No	Line Items	UOM	Qty
1	Excavation : Excavation up to 3 meter of soil for all types and sizes of foundations and drains including dressing and leveling of Pit stand and disposal of material, Including bailing and pumping out of sub soil water, sewer water . Removal of slush, much as per specification and direction of EIC. within a lead of 3 Km, all works should be executed as per IS:3764 and guidelines.	M3	1068
2	Dismantling existing PCC / RCC / Flooring / Brickwork / Tiling etc : Dismantling existing PCC / Flooring at all heights and position including all labour , tools , machines and as Directed by EIC. Leaving surface clean and disposal of debris within a lead of 3 Km. all works should be executed as per IS:4130 and guidelines.	CUM	760
3	Providing and laying of PCC M-20 with proper curing and maintaining the line and level and as per the instruction of Eic.Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent, 43 GRADE , OPC, all works should be executed as per IS:456 and guidelines.(excluding shuttering)	M3	698
4	Providing and tor Reinforcement for R.C.C. work including binding wire , straightening, cutting, bending, placing in position and binding all complete. . Complete with all labours , materials , tools and tackles and as per direction of the EIC.	MT	40
5	Providing and laying PCC M 15 : providing and laying PCC M 15 (1 cement : 2 sand : 4 metal) with 20 MM down graded aggregate in foundation , floor etc. At all heights and position , and depth excluding shuttering , mixing , laying and CURING (minimum 7 days curing) etc . Complete with all labour and materials etc. Complete as per direction of EIC. Make : AMBUJA / ULTRATEC , 43 GRADE , OPC, all works should be executed as per IS:456 and guidelines.	CUM	535
6	15 mm thick cement plaster :15 mm thick cement plaster with cm 1:6 (1 cement : 6 sand) over brick masonry concrete surface including dismantling of exsisting plaster , scaffolding , racking out joints , smooth finishing and curing etc.At all heights AND POSITION INCLUDING CEILING in both sides complete with all labour , tools , materials etc ,CURING (minimum 7 days curing), and as directed by EIC. Make : AMBUJA / ULTRATEC , 43 GRADE , OPC,all works should be executed as per IS:1542 and guidelines.	M2	10525

7	25 mm thick concrete flooring : 25 mm thick concrete flooring with 1:2:4 cement concrete (1cement : 2 sand : 4 down graded stone aggregate 12.5 mm nominal size) finished with floating coat of neat cement including dismantling existing concrete flooring CURING (minimum 7 days curing) . Complete as per direction of EIC.For Inside House , Bath , Rooms etc and as directed by the EIC. Make : AMBUJA / ULTRATEC , 43 GRADE , OPC, all works should be executed as per IS:456and guidelines.	M2	7200
8	Providing Brickwork with bricks cement mortar : Brickwork in cement mortar (of 50 kg./sq. cm strength in cement mortar 1:6(1 cement : 6 sand) in foundation, substructure, main holes etc and super structure at all heights and depths , CURING (minimum 7 days curing), as per specification and direction of EIC.Make : CHIMNEY / ASH BRICK 9 INCH , CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC,all works should be executed as per IS:2212 and guidelines.	M3	340
9	P & F IWC (Orissa style)with LL PVC Cistern : Provide and fixing of IWC with LL Cistern complete with all fittings including dismantling of existing one and replacement of Tee , and Bend and P Trap (all of 100 dia), labour and material and complete as per direction of EIC.Complete fittings including water closet , bends , inside pipe will be replaced and fitted to outside pipe / bend with no leakage . Applying neat cement slurry / M seal at Bend Joints and Trap / Pipe joints before flooring work of the area.Make - PARRYWARE , jaquar, CISTERN - PARRYWARE /	NO	222
10	P & F EWC with LL PVC Cistern : Providing and fixing of EWC with LL Cistern complete with all fittings including dismantling of existing one and replacement of Tee , and Bend and S Trap (all of 100 dial) , labour and material and complete as per direction of EIC.Complete fittings including water closet , bends , inside pipe will be replaced and fitted to outside pipe / bend with no leakage . Applying neat cement slurry / M seal at Bend Joints and Trap / Pipe joints before flooring work of the area.Make -PARRYWARE , CISTERN - PARRYWARE / SLIMLINE. Dismantled Debris shall be transported to lead of 2 KM	NO	81
11	Providing And Fixing of Traps : Providing and fixing Floor Traps for bathroom and kithchen etc as per requirement and jointing the same with proper cement slurry / M seal AND Dr.Fixit Solution to ensure NO SEEPAGE from joints to GF Qtrs. Traps will be required to be replaced at Kitchen , Bath and WC . ISI Mark Only (4" inch) (make PVC)	NO	245
12	Providing and fixing wooden gutkha : Providing and fixing of wooded gutkha for fixing of Door Shutter , Window Shutter and Ventilator Shutter in all RCC Frames	NO	25

13	Providing and fixing of glazed or Ceramic Wall tiles : Providing and fixing of glazed or Ceramic Tiles at Walls of kitchen , bath , toilet and skirting in Renovated Qtrs only . As same existing size , shade and colour of balco , including dismantling of exsisting tiles and jointing with neat cement slurry with all lobours and materials including dismantling and disposal of debris with a lead of 500 Mtrs. Make Kajaria or equivalent, all works should be executed as per IS:13630(part-8) and guidelines.	M2	414
14	Providing and fixing of glazed tiles : AT Floors of Renovated Qtrs only . As same existing size , shade and colour of balco , jointing with neat cement slurry with all lobours and materials including dismantling of esisting tiles and disposal of debris with a lead of 500 Mtrs. Make Kajaria or equivalent, all works should be executed as per IS:13630(part-8) and guidelines.	M2	512
15	Providing and fixing of chequered Tiles : As same existing size , shape and colour and of approved quality & shade & design and colour in CM 1:4(1Cement:4Sand) of balco township quarter including dismantling of exsistng tiles and with proper surface dressing & necessary earthwork, jointing with neat cement slurry with all lobours and materials including dismantling and disposal of debris with a lead upto 2000 Mtrs,with all labour and materials etc. all works should be executed as per IS:13801 and guidelines.	M2	170
16	Providing & fixing of paver block 80mm thick Interlock type as per site requirement/direction of Engineer-in-charge including Rolling of existing ground surface,sand filling(125 mm) , edge block complete with all materials and labours as per specification and direction of EIC, all works should be executed as per IS:15658 and guidelines.	M2	998
17	Repairing of Wall Crack with V Grove : Filling and repairing of cracks in any position and height making V Shape groves of 4 mm width on walls , roof with cement mortar 1:4 (1 cement : 4 sand) with proper finishing , curing , scaffolding , scrapping etc . complete with all labours , tools , machines etc and complete as per direction of EIC. Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC, all works should be executed as per IS:1905 and guidelines.	RM	4000
18	Repairing of Wall Crack with Chicken Jali 4 inch" : Repair of wall crack at any height and position with Providing and Fixing Chicken Mesh Jali after opening the crack and sealing it with CM and plastering after fixing the jali. Complete with all labours , materials tools including proper finishing , curing etc and as directed by EIC. Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC , JALI - ISI MARK, all works should be executed as per IS:4326 and guidelines.	RM	500

19	Providing and Fixing precast RCC Drain Slab : Providing and fixing precast RCC drain slab casting in M 15 and fixing at site of size 500 X 1200 X 100MM Complete will all labour , tools and machinery .And as directed by EIC.(Excluding the cost of reinforcement steel), Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC , BAR - ISI MAKE all works should be executed as per IS:456 guidelines.	M2	550
20	Providing and fixing Marble in Kitchen slab : Providing and fixing Marble in Kitchen Slab at Renovated Balco Township Qtrs / Buildings of the same shade and design as of the existing one . Complete will all labours , materials and tools . And of Size approx. 1.2 X 1 Mtr . And submitting the old destroyed marble slab at Township Stores with mentioning the Job card issued for the work. all works should be executed as per IS:13630(part-8) and guidelines.	M2	167
21	Fixing only of IWC / EWC water closet : Water closet will be provided by Balco.Complete with all labour and materials and necessary accessories	NO	57
22	Transportation of Debris Transportation of debris outside the work area and disposing off to proper location as specified by the EIC to keep premises clean , within a lead of 5 Km to the assigned places as per direction of EIC.	M3	2750
23	Fixing of Bracket / Angle - Fixing of Bracket / Angle for support of wash basin or other fittings etc . size (40*40) ISA 40, With complete work including cement plaster after fixing . Complete with all labor , tools and materials and complete as per the direction and specification of the EIC.	NO	64
24	Providing and fixing PVC Pipe 100 MM , Make - ISI Only-bend , clamp , and other tools and tackles and labor and fitting at all height and position. Make : ISI - SUPREME SWR	RM	550
25	Providing and fixing Joint free Vitrified tiles in floors of approved quality & shade as per site requirement/direction of Engineer-in-charge including removal of old flooring and necessary repairing in cement mortar 1:4 (one cement: four coarse sand) with an admixture pigment including cutting polishing as per standard specification & direction of EIC.Make : KAJARIA OR EQUIVALENT all works should be executed as per IS: 13630(part-8) guidelines.	M2	400
26	Providing and fixing Jet Black Granite/Marble 16mm thickness of approved quality with good quality of workmanship including breaking of existing wall and flooring as per the direction of Engineer-in-charge. all works should be executed as per IS: 14223(part-1) guidelines.	M2	80
27	Providing and fixing precast RCC(M-15grade) slab in Kitchen : Providing and fixing precast RCC slab in Kitchen of size 2.50 M x 0.75 M X 0.075 M) finishing the top with an even slope towards the sink and with proper neat punning at top side including all labours , materials , tools . Completed as directed and specified by EIC . And disposal of the broken slab within a lead of 500 Mtrs.(Excluding the cost of reinforcement steel). Make: CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC , BAR - ISI MAKE all works should be executed as per IS:456 guidelines.	M2	212

28	Construction of AC Opening : Construction of AC Opening as directed of appropriate size. Complete with dismantling / removing old wall surface and complete with plastering work , only fixing of AC Wooden Frame and synthetic enamel painting of the frame(frame will be provided from another line ite) . Complete with all labours , tools and machines And as directed by EIC.	NO	27
29	WhiteCement : Providing and applying White Cement on Tiles (Floor and Wall) at any height and position(only gap cleaning and applying Birla White Cement on gaps). Make: BIRLA all works should be executed as per IS:8042 and guidelines.	RM	4611
30	Providing and laying boulder soling with hard stone boulders , properly hand-packed and interstices filled with stone chips and blinded with approved quality moorum or sand, including rolling, ramming and watering, finishing the surface to proper profile and camber/ gradientas per specifications and directions of EIC. all works should be executed as per IS: 1904 guidelines.	M3	206
31	Providing & applying micro concrete (Renderoc - RG) in floor after breaking as require & removal of loose material including desposal within lead of 1000M including all labour cost. Make MYK/Mappai	M3	166
32	Shutturing: Providing, erecting and fixing true to line and level firming with bolt , separators tension devices etc. and removing shuttering and centering for plain and reinforced concrete items at all positions for rafts, foundations, footings, floors lintels floors .slabs, chajja etc. all works should be executed as per IS: 4990 and IS:456 guidelines.	M2	1860
33	SUPPLY OF SKILLED MANPOWER Deployment of manpower for water supply maint work, scope of work:-1/- Regular qtrs compliant attended on job card basis.2/-Any Damage/leakage of main raising pipe line and Sever pipe line to be attended within eight hours. 3/-Any breakdown of Raw sewage pump to be attended within eight hours. 4/-All valve and pump to be repair/maint with PM schedule. 5/-Any emergency of pipe line system work is executed to continuous to complete the job. 6/- Laying of new pipe line of any dia GI/CI/Pipe as per site requirement and as per instruction of EIC.7/- All Tool Tackles(Greese,Safeda,Patua Ect.) ,Dewatering pump ,pipe cutter machine etc.and transportation is contractor scope -	NO	2660
34	Weilding of joints inclusive of welding machine/ generator set with cutting set, grinder for MS/GI water pipe line / with (0 to 25mm leakage) electrode-3.15 mm.,operator and material) all works should be executed as per IS:823 guidelines.	NO	150
35	DEPLOYMENT OF HYDRA of all load capacity up to 16 MT Icluding Operator and diesel as per requirement of Balco.	HR	105
36	Providing & transportation of tractor for distribution of water at Township premises with in 5 Kms including diesel. Water Tanker will be in BALCO scope	Trip	400

37	Providing and fixing of ceramic floor tiles as per site requirement/direction of Engineer-in-charge including removal of old tiles and necessary repairing in cement mortar 1:4 (one cement: four coarse sand) with an admixture pigment including cutting polishing as per specification. all works should be executed as per IS:1200(part-11) guidelines.	M2	95
38	Pressure Grouting - Removal of all loose material, residue of concrete wall and floor, by hacking chiseling and mild hammering, making the surface ready to receive waterproofing treatment and disposing off the debris as directed by EIC, Drilling 15mm dia hole almost 1/3 of the concrete wall thickness, fixing 12 mm dia PVC perforated nozzle with plugging material at 1 meter c/c injecting smooth cement slurry duly admixed with non-shrink cementitious material through 140 PSI hand held pressure injecting grouting pump as directed by EIC.	NO	225
39	Providing and laying bituminous over the black topped road or over RCC road 25 mm thick , consolidated , premixed seal coat with 0.006 cu.m. of 6 mm size stone chips , mixed with 1.5 kg/ sq.m. of bitumen and rolled with 8/10 tonnes road roller, as per specifications and directions of the EIC.all works should be executed as per IRC:27 guidelines.	M2	650
40	Providing and opration of JCB machine with Skilled oprator. the item includes complete operation and maintenance coast, diesel cost of JCB machine. Including all the operation cost.	HR	480
41	Providing and operation of hywa. the items includes completed opretation and maintenance cost of Hywa including skilled driver and helper, diesel cost. (lead 5 Km to and fro included)	Trip	215
42	Drilling of holes on all type of concrete floor of 8 mm to 32 mm dia and up to 300 mm depth.all works should be executed as per IS:5313 guidelines.	Nos	530
43	Providing & laying PCC M 20 with SIKA LATEX 3% & Nitobond adhesive , bonding of old & new surface after complete cleaning the surface in foundations, flooring and other places with stone ballast of size 20 mm down graded, including true to line and level shuttering works and expansion joints etc., at all positions in floors, foundations, chajja, lintels, wall,slabs etc, at all heights and positions as per standard specification & direction of EIC all works should be executed as per IS:456 and IS:9103 guidelines.Make : AMBUJA / ULTRATEC , 43 GRADE , OPC.	M3	42
44	Core cutting of all size for bolt grouting all works should be executed as per IS:5313 guidelines. (20 mm to 100 mm dia and maximum depth of 500 mm)	No	60
45	Providing and grouting of MS Bolt with GP2 from 16 to 25 mm dia with complete work such as surface cleaning, drilling etc.all works should be executed as per IS:456(2000) guidelines.	No	20
46	Providing & fixing 600x600 mm Nova pan and heavy T section of Aluminium grid 600x600 mm properly hanged from all types of false ceiling and perimeter to run on the side wall of all the sides including all fittings with finishing works as per direction of EIC.	M2	155

47	Providing and laying of PCC RCC grade M-25, foundation and other places with stone ballast 20 mm down graded with proper curing and maintaining the line and level and as per the instruction of Eic.Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC all works should be executed as per IS:456(2000) guidelines.	CUM	45
48	Supplying and filling approved quality sand in authorised locations in foundations, under floors, trenches and other places, at all lead, depth, lift and locations including shuttering (if required), watering and ramming or flooding with water, with all byeworks complete as per drawing, specification and instruction of the engineer. all works should be executed as per IS: 1904 guidelines.	CUM	3730
49	Supplying and filling approved quality mooram in authorised locations in foundations, under floors, trenches and other places, at all lead, depth, lift and locations including shuttering (if required), watering and ramming or flooding with water, with all byeworks complete as per drawing, specification and instruction of the engineer. all works should be executed as per IRC:109 guidelines. all works should be executed as per IS: 1904 guidelines	CUM	2968
50	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.) all works should be executed as per IRC:109 guidelines.	CUM	350
51	Providing, Laying and Compacting of WBM Hard shoulder/sub-base/base course including preparation and compaction of subbase and spreading of clean and crushed aggregate to proper grade and camber including application of screenings for interlocking, sprinkling of water and rolling with power roller as per clause 404 for:-Grading No.1 Material for construction of WBM for hard shoulder with reference to clause 407 with approved screenings & binding materials.	M3	350
52	Bituminous Macadam (Providing and laying bituminous macadam with 60-90 TPH hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction) (A) With sensor paver finisher (ii) For Grading II (19 mm nominal size, bitumen content 3.40%) all works should be executed as per IRC-27 guidelines.	CUM	2400

53	Granular Sub-base as per Table:- 400-1 (Construction of granular sub-base by providing close graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401) (A) Plant mix method (iii) For Grading-I material all works should be executed as per IRC-15 guidelines.	CUM	300
54	Prime coat (Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.85kg/sqm using mechanical means) all works should be executed as per IRC SP-20 guidelines.	SQM	8400
55	Tack coat Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503 of section 500 (ii) Dry and hungry bituminous surfaces/ granular surfaces treated with primes @ 0.30 kg / Sqm all works should be executed as per IRC SP-20 guidelines.	SQM	8400
56	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing anaverage output of 75 tonnes per hour using crushed aggregates of specified grading, premixed withbituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling withsmooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTHspecification clause No. 509 complete in all respects.its thickness should be 20 mm.	CUM	30
57	Roof treatment by hydro insulation : "Hydro insulation Work for Seepage Treatment at Balco Township , Work Includes : (A) Cleaning the surface and making it free from laitance, oil, dirt, unsound substrate etc. and dispose the waste/debris within a lead of 5 Km. as per direction of EIC.(B) Aapplication of single coat of silprup (highly flexible building silicon sealant) for making surface smooth even free from hair cracks, pinholes and to ensure the minimum moisture content in surface I.e. (<10% approx.).(C) Providing and laying APP modified TORCH SHIELD of thickness 3 mm by using resin and torching.(D) Aapplication of single coat of silicon based roof coat applied for UV protection as per direction of EIC"" (E) coated area Complete as per the direction and specification of the EIC. Make: TORCHSHIELD - PIDILITE (Including disconnect the water tank pipe line and reconnect after hydro work)" all works should be executed as per IS-1346 guidelines. The job also includes removal of existng membrane and disposal of the to the designated place as directed by EIC.	M2	10880
58	Treatment of the original base RCC floor to ensure complete hydro insulation of the original floor AND all material labour , tools complete as desired by EIC. Dr.Fixit Proof Coat Black Coating . Make : DR.FIXIT PROOF all works should be executed as per IS-1346 guidelines.	M2	1098

59	PCC With chemical mixing of Dr.Fixit MPB / URP 1 Litre per Bag : Providing and laying PCC M 15 with chemical mixing as specified : (1 cement : 2 sand : 4 metal) with 20 MM down graded aggregate in foundation , floor etc. At all heights and position , and depth including shuttering , mixing , laying and CURING (minimum 7 days curing) etc . Complete with all labour and materials etc. Complete as per direction of EIC.Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 43 GRADE , OPC , BAR - ISI MAKE , DR.FIXIT MPB / URP all works should be executed as per IS-1346 guidelines.	CUM	50
60	Providing & transportation of 5000 Ltrs capacity Tractor ,trailer mounted water tankers with easy moment in local areas from Township Administration premises at any place with in 5 Kms peripheri of Balco Township Office viz Daihan Para, Bhadrapara, Housing Board, Nehru Nagar, Parsabhata, Ram Mandir Area etc.. as per directives of Township Authorities. The agency will have to provide 5000 Ltrs capacity Tractor trailer mounted water tankers with ready in all respect. The Water tanker should have arrangement for water filling at top and provisions of 2/3 taps on the rear side for water supply in buckets, drums etc. 10 Mtrs 2-3 " dia PVC pipe is also to be kept in the tankers for providing water at unreachable point. Each tanker will have to make 5 trips a day (20 trips for 4 tankers). Water will be provided free of cost from Township premises. The agency will have to provide Tanker with suitable vehicle, driver, helper etc. The running & maintenance cost of the vehicle & tanker will also be borne by the agency. At least 4 Nos water tankers with vehicles & driver will be available near Township office round the clock & take water to the directed place, distribute the water & come back immediately to township office for next trip.the water tankers shall be properly cleaned with covers and painted by yellow colour and cleanliness (inside & out side of tanker) should be maintained by the agency with all respects. all works should be executed as per IS-1346 guidelines.	Trip	1000
61	Thermoplastick painting :Thermoplastic painting in Metal Area- Thermoplastic painting on concrete and bituminous floor after proper surface preparation by rubbing and/or brushing and thread marking, and aapplication of heated liquid paint up to 2.5 mm thick and 4 to 6 inch wide through man pusing steel container heating machine. all works should be executed as per IS-5411 guidelines.	SQM	400
62	Sewer line cleaning dia 100 to 200 mm: "Sewer line cleaning dia 100 to 200 mm#Sewer line cleaning, disposal of rubbish. Sludge etc. as direction bythe EIC.and disposal of rubbish, sludge etc. as direction by the EIC all works should be executed as per IS-1172 guidelines.(All cleaning will be mechanised)	RM	250000
63	Sewer Line cleaning dia above 200 mm: Sewer Line cleaning dia above 200 mm#Sewer line cleaning. #disposal of rubbish. Sludge etc. as direction bythe EIC. The responsibilities for pumping and desilting where#required shall rest with the contractor." all works should be executed as per IS-1172 guidelines..(All cleaning will be mechanised)	RM	70000

64	Repairing of existing Inspection chamber only brick work and plastering with all labour & material. 800*800 mm with depth 500mm:	NO	1505
65	Repairing of gully trap chamber 500*500 mm consumables, materials will be in contractor scope including all associated works complete all works should be executed as per IS-4130 guidelines.	NO	1500
66	Providing and fixing pvc plain bend 75 mm dia: Providing & Fixing pvc plain bend 75 mm dia#75 mm dia Plain Bend :. Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	1530
67	Providing and fixing pvc plain bend 100 mm dia: . Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	1107
68	Providing and fixing PVC 75mm tee: Providing & Fixing PVC 75mm tee#75 mm dia PVC Tee With PVC ACCESSORY :. Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	1377
69	Providing and fixing PVC 100mm tee: Providing & Fixing PVC 100mm tee# :. Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	1287
70	Providing and fixing 100 mm dia PVC collar: P&F 100 mm dia PVC collar. Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	979
71	Providing and fixing 75 mm dia PVC collar: "P&F 75 mm dia PVC collar. Including all labour and material complete in place of AC pipe and accessories all works should be executed as per IS-12818 guidelines.	NO	979
72	P&F 100 mm MS Clamp: P&F 100 mm MS Clamp Including all labour and material and accessories all works should be executed as per IS-12818 guidelines.	NO	623
73	P&F 75 mm MS Clamp with screws/Nails: P&F 75 mm MS Clamp with screws/Nails#. Including all labour and material and accessories all works should be executed as per IS-12818 guidelines.	NO	552
74	P & F 75/100 mm steel jali: "Providing & Fixing 75/100 mm steel jali#Providing & Fixing 75/100 mm dia steel jali with labour and material complete all works should be executed as per IS-12818 guidelines.	NO	1523
75	P & F Inspection chamber cover 800*800 mm: PVC Cover with frame and accessories.	NO	1508
76	Providing & fixing of SWG pipe of 150 mm dia, including all consumables and labour. all works should be executed as per IS-651 guidelines.	RM	6000
77	Floor trap up to gully trap :- (Removal of chokage)from sewer line/sanitary system of residential & public building disposal of refuse, surplus,sludge, stagnant water, sewer water etc. as per specification and direction of EIC all works should be executed as per IS: 5329 guidelines.	NO	1500

78	Water closet inspection chamber :- (Removal of chokage by mechanical means): from sanitary system of residential & public buildings.including desposal#desposal of refuse. Surplus. Sludge. Stagnant water. Sewer water etc. as per specification and direction of EIC.#(b) Water closer inspection chamber all works should be executed as per IS:5329 guidelines.	NO	4500
79	Chockage removal/in manhole: Chockage removal/cleaning of manhole Chockage removal/cleaning ofmanhole of all diameters at depth of (1- 3) metre both in dry and wet conditions including necessary pumpin g of water (Pump 5hp will be taken from other line item:Transfer of pump to the required location including maintenance of the same shall be under contractors scope), lifting and removal of waste sludge and disposing off the same outside the pl ant or as directed by EIC up to a lead of 5 Kms complete as per all works should be executed as per IS:5329 guidelines.	NO	7090
80	Earthwork excavation for manhole pipe: one manhole (3m to 5 m depth): #Earthwork excavation for manhole pipe line Up To 1.50 M To 5.00 M Depth :- Earthwork inexcavation for manhole pipe line trenches pits . Including bailing and pumping out of sub soil water, sewer water . Removal of slush, much as per specification and direction of EIC all works should be executed as per IS:3764 guidelines.	CUM	5600
81	Only Back filling of soil for sanitation work all works should be executed as per IS:3764 guidelines.	M3	8200
82	P & F man hole cover RCC grade M15 (1 cement : 2 sand : 4 metal) of different sizes inculing labour cosr and other consumables as directed by EIC, all works should be executed as per IS:456 guidelines.(Reinforcement steel is in contractors scope)	M3	249
83	de-watering pumps 5hp diesel pump including accessories like pipe, diesel etc	HR	500
84	operational skilled manpower (2 members) contract for raw seerage pump house (1 and 2)(2 manpower for one year so total quantity will be 24 months, unit rate shall contain cost/month per manpower)	MON	24
85	Cleaning of accumulated mud, sludge from Raw Sewage Pump House No.1 and 2 (size 5MX10M of each) including dewatering and disposal of mud at a specified location more than a distance of 2Kms. non effecting environment by sewerage cleaning machine under contractor scope. Cleaning once in a month.(Sludge depth will be of maximum 1.5 metre)	No	24
86	Fixing new by replace exsisting if required: medium duty GI pipes 15 mm. Includes all material and labour costs	RM	191
87	De-silting & cleaning of Sewer main hole (aprox 3-5 meter depth) in Trunk line. Removal of sludg, blockage and dispose romoved material in designated area as specified by EIC(lead 3 km), Suldge will be removed by mechanical means	NO	500

88	Application of Anti-Abrasion Coating: Anti-Abrasion TAFE/Zuper Coating with thickness of 0.5 mm on tubes of Boiler#5#The area and location of Boiler coating (TAFE or Zuper) is as per decided by EIC#BALCO will provide three phase electric supply and illumination required to carry out the job.#Party has to bring necessary skilled / unskilled manpower required to execute job.#Party is required to submit report after completion of job .#Other general terms and condition as per BALCO Rules.#Party has to follow all BALCO Safety & HR rules.all works should be executed as per IS:2395 guidelines.	M2	1050
89	Providing and laying of gi strip - 50x 6 mm for earthing purpose, as directed by EIC	RM	500
90	COLLECTION&DISPOSAL OF GARBAGE: ;Collection & Disposal of garbage, wastes,spoils,dry leaf, debris & mud from Balco T/S qtrs and public building by deployment of 3 nos. of tractor with trolley, Driver & Helper (Rubber wheeled) to Barbaspur with in a lead of 20Km with garbage from dust bin through out the year, 3 trips in a day including tackling Dressing etc. with all materials, tools & labours as per direction of EIC.Collection of household garbage from door to door at all township qtrs.every morning at 8.30 am from 10 nos. of tricycle through out the year, waste shifting at barbaspur Yard. Regular Sweeping of Roads: by Providing adequate unskilled Manpower on through out the year to carry out the mentioned scope of work like cleaning and surface dressing around entire all sectors main & branch road & besides roads including areas of public places, and other areas inside Balco Township upto Parsabhata , complete with all labour, tools , material , tackles etc. as per the direction of the EIC. Sector -1,2,3,4,5,(including Hospital campus) , sector - 6 (Including Civic Centre),sector 7,MTI hostel, Air Strip,admin building and centralized Areas, Ambedkar Stadium,Ramlila ground,GET hostel,RR line security barrack,surabhi barrack. Disposal of animal dead body like cow,dog,buffalo & Cat etc). Note- All activities mentioned in the Item has to be ensured through the year. The vendor should maintain 10 nos of tricycle for garbage removal and road cleaning with given number of manpower.	Mon	12
91	Net Wire Fencing : Fencing : Providing and Fixing of net wire fencing : MS jali 2 " X 2 " grid 1.20 mtr width properly stretched over the fixed angles also MS flat strip of 1 " width 3 MM thick to be fabricated on the either edge for strength , including all tools , material , transportation , labour etc and complete as per the direction and specification of the EIC. JALI - ISI STANDARD (Excavation, Steel structures will be consumed from other line items_)	RM	50

92	Pathway Flooring 75 MM Thickness - 75 mm thick concrete flooring : with 1:2:4 cement concrete (1cement : 2 sand : 4 down graded stone aggregate 20.0 mm nominal size) finished with floating coat of neat cement including dismantling CURING (minimum 7 days curing) . Complete as per direction of EIC. Make : CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 53 GRADE , OPC , BAR - ISI mark,all works should be executed as per IS:456 guidelines.	M2	4000
93	MS Gate : Providing and Fixing MS Gate at Township Quarters fabricated of iron in angle and flat Hold Fast of desired design (4 ' X 5 ') / (1.2 X 1.5) to weigh not less than 40 KGs with complete fittings of MS L Drop , MS Handle at Top . MS L Drop at Both Sides . Complete with Synthetic Enamel Painting over steel primer two coats of the gate by approved colour and shade . And as per locking arrangement specified , so that Gate can not be detached easily .all works should be executed as per IS:1038 guidelines.	NO	50
94	STP Operation & Maintenance STP Operation & Maintenance Round the clock Operation and maintenance including repairing of STP pump such as providing fixing tightening, rubber packing, coupling bolts & bushes, foundation bolts, suction & delivery nuts & bolts and foot valve, cleaning of including unwanted hedge /bushes cutting with all man & material as per direction of site incharge - deployment of 4 (3+1) manpower per day). including electrical related work. Sampling Frequency 1. Morning (collective of 7, 8 & 9 AM) Sample. It has to be analyzed immediately.2. Evening (collective of 4, 5 & 6 PM) Sample. It has to be analyzed immediately / it has to be stored in Refrigerator and analyzed next morning.Sampling Location STP Inlet i.e., Before Bar Screen Chamber STP Outlet i.e., Clear Water Storage Tank Analysis record Flow Meter Reading has to be recorded at 6AM, 2PM & 10PM and Documented.Log sheet has to be maintained daily, which should reveal O & M Work Carried out at STP & it should even serve as a Document depicting internal communication; Bar Screens to remove coarse materials and floating debris.Periodically Remove all the Screenings from the bar screen Manually; Equalization Tank /FAB Tank Air is continuously blowed through Diffusers From ET/FAB Tank Well mixed Sewage .3.Settled Sludge Should is periodically pumped to Sludge pit. 4 Activated Carbon Filter & Pressurized Sand Filter(ACF & PSF); Chlorinated water is first passed though ACF & then Through PSF and then Stored in Treated Water tank. For Backwashing of Filters water is drawn from Treated water tank. Treated water is used for Plantation Purposes.5 Chlorine Dosing Pump Preparation of NaOCl solution Quantity of NaOCl should be prepared as per the instruction given by Officer In case of abnormal Inform to Supervisor Civil Maintenance including repairing of pump foundations,cracks, pressure grouting,cleaning of all tanks, sludge removal etc with all PPE'sElectrical Maintenance including panel checking,repairing of motors,all panels and switches etc with all PPE's.Mechanical Maintenance including fixing tightening, rubber packing, coupling bolts & bushes, foundation bolts, suction & delivery nuts &	Mon	12

	bolts and foot valve etc with All PPE's Misc.including horticulture,house keeping, greenary, cleaning etc with all PPE's. Equipements to be maintained;- 1) BAR Screen 2 Nos (MOC - MS Bar screen, made of 25X6 flat, 10 mm spacing & 3 mm spacing,, handle for cleaning. 2) RAW SEWAGE TRANSFER PUMP 2 Nos (1W + 1S), flow - 105 m3/HR, 60 HP, kirlosker, Head -15M. 3)Coarse bubble difusser for equalization tank, Qty - Lot, size - 900 mm dia, Type - Fixed, MOC - PVC. 4) Air Blower 3 Nos (2W + 1S), Capacity - 1564 M3/Hr, Head - 4.5M, Make - BETA/Equivalent. 5)Fine Bubble Difusser, Qty - LOT. STP chemicals and spares will be provided by BALCO and consumable will be in contractor scope. Consumables like gasket, gland packing will be in contractor scope		
95	Repairing of Windows/Ventilators at Ground floor & first floor: with frames of any sizes complete by removing hinges , cutting , chiseling, nailing , as directed by EIC all works should be executed as per IS:1038 guidelines (the consumables are in other line items,)	NO	2100
96	Providing and fixing 35 mm thick approved quality of wooden flush door shutter including polishing all fittings,handle,L drops,towerbolt,hinges etc. complete with all materials and labours as per specification and direction of EIC. Make : MAYUR – ISO all works should be executed as per IS:1003 guidelines	M2	300
97	Providing and fixing MSTower bolt Providing and fixing MS Door tower bolt of best quality after getting it approved by EIC , mild steel barred tower bolts 10 mm dia, 150 mm long as directed by EIC, Make: ISI MAKE EQUIVALENT, all works should be executed as per IS:1038 guidelines	NO	900

98	P&F mild Steel L Drop with complete set: Providing and fixing L Drop with complete set of best quality after getting it approved EIC ,mild steel barred enameled black with bright bold and fixed complete of 300 MM X 12 MM complete as directed by EIC. Make: BETTO / SCCOT / ISI MAKE EQUIVALENT, all works should be executed as per IS:1038 guidelines	NO	100
99	P&F pressed handles 150mm: MS pressed Providing and fixing MS Door fixtures of best quality after getting it approved by EIC . Providing and fixing MS pressed handles for Door Shutters of 6 Inches size as per requirement with screws complete as directed by EIC. Make: BETTO / SCCOT / ISI MAKE EQUIVALENT,all works should be executed as per IS:1038 guidelines	NO	900
100	P & F MS hinges : Providing and fixing MS Hinges of gates 100 MM / 75 MM size as per requirement with Screw . complete as directed by EIC. Make: BETTO / SCCOT / ISI MAKE EQUIVALENT,all works should be executed as per IS:1038 guidelines	NO	1970
101	P & F Door Stopper: Providing and fixing SS door stopper where ever required of standard size complete with all labours , materials and tools. And complete as per direction of EIC, all works should be executed as per IS:1038 guidelines	NO	577
102	P&F GI Wire Mesh Jali : Providing and Replacing GI wire mesh jali with wooden strips(6mm *25mm) in doors, ventilators , opening front dorm complete as directed by EIC etc .ISI MAKE	M2	500
103	P & F AC Wooden Frame: Providing and Fixing AC wooden frame of sal wood of required Air Conditioner size. Complete with all masonry and carpentry work .Complete with all labour , materials and tools and as per Direction of EIC.Make : SAL WOOD,all works should be executed as per IS:1003 guidelines (1 inch thickness *2 inch width) and standard window AC size	NO	41
104	P & F Almirah shelves ply 18mm : Providing Providing And Fixing of almirah shelve ply of 18 MM thick complete as directed by EIC. Make: ISI MAKE MAYUR / PENTAGON	M2	50
105	P&F MS Stey Arm : Providing And Fixing MS Providing And Fixing MS Stey arm and handle in MS Window of Balco Township QTRs with all labour and material, complete as directed by EIC. ISI MAKE	NO	50
106	P & F 06 mm ply: Providing And Fixing of 06 MM thick ply of approved quality , in opening of window / doors of other misc. carpentry jobs with all labour and material, complete as directed by EIC. ISI MAKE MAYUR / PENTAGON	M2	100
107	Fixing of 16 mm round bar in windows: Fixing only of 16mm round bar in windows (round bar will be provided by township stores.)with all labour and material, complete as directed by EIC. ISI MAKE 9	NO	100
108	Repairing & refixing of window glass : Repairing and refixing of Window Glass Pan with Putty and Glass Pan with all labour, tools and tackles , complete as directed by EIC (Glass will be provided by BALCO, 1ft *1ft)	NO	180

109	Providing & fixing Heavy duty anodized powder coated Aluminium door with door frame (including all fittings, hinges, door closure etc.,) of approved make overlapping, proper beadings to ensure dust proof, laminate. Door should have 4' Nova board at bottom and remaining panel with 5mm thick Modi float or equivalent glass. This job includes proper finishing of the surface after fixing the job.Make: GLASS - MODI , ALUMINIUM SECTION AND FRAME - ISO 9001	M2	66
110	Providing & fixing Heavy duty anodized powder coated Aluminium glazed sliding window with tainted Modi float glass including provision of decorative aluminium grill (as approved) after dismantling of existing windows and depositing the same to the assigned place including all fittings, hinges etc. proper beadings to ensure dust proof with the help of aluminious beads & glass panes. The work also includes providing and fixing in position powder coated (coating thickness 65 micron) Aluminium grill of approved design with all necessary fixtures, C channels i.e., Aluminium clamps screws, rawl plugs etc., including labour complete as per sketch and to the satisfaction of Engineer Incharge. Make : ALUMINIUM SECTION AND FRAME - ISO 9001,all works should be executed as per IS:1948 guidelines	SQM	65
111	Round Door Lock Godrej Only Three Lever : Providing And Fixing Round Door Lock Make : Godrej , Three Levers , Complete with all fittings , and of approved shade and weight .	NO	26
112	Providing and fixing 3mm window glass with all material putty, pin and as per standard specification and direction of EIC.	M2	150
113	Providing and fixing SS handle with all accessories as per the direction of EIC.(size long 450 mm)	NO	72
114	Providing and fixing Floor spring in glass door with all accessories as per the direction of EIC.	NO	33
115	Providing and fixing toilet paper disc with all accessories as per the direction of EIC.	NO	5
116	Providing and fixing soap disc with all accessories as per the direction of EIC.	NO	55
117	Providing and fixing Towel rod with all accessories as per the direction of EIC. (length 60 mm)(Moc: anodised Aluminium)	NO	22
118	Providing and fixing of Vertical blinds of approved quality & make including all accessories as per the direction of EIC.	M2	110
119	Providing and fixing 12 mm toughen glass with all accessories as per the direction of EIC.	M2	64
120	Providing & fixing false ceiling with 9 mm thk. Gypsum board of approved quality/make and by using anodized iron sheets and metal sections of size 40x40x1.5 mm and anodized iron sheets and metal 'U' shape section of 35x35x1.5 mm for fabrication of Gypsum board size 4"x2" and 12 mm to be fixed with steel screws of size 6"x13" at every 400 meters centre to centre as per directions of EIC. The work includes all finishing work and surface finishing with finishing coat.	SQM	537

121	Repairing of Doors With Frames : Of any size complete by removing hinges, cutting , chiseling , nailing , and. complete at all position and height complete as directed by EIC(consumable will be taken from other line items)	NO	3342
122	Providing and fixing reinforce wc and bath room door shutter FR (approx width of door 650mm)P size with PVC door frame with proper including all material tower bolt, hinges, Handel, complete as directed by EIC. Make : NEELKAMAL,all works should be executed as per IS:1038 guidelines	NO	267
123	P&F Rubber sheet indoor/windows: Providing and fixing rubber sheets at the edges of doors and windows to prevent water/insects ec.t	RM	500
124	Providing and fixing sal wood door /window/ventilator frames of standard size and thickness (75 mm X 100 mm thick)including hold fast of standard size duly tightened with nut bolts and grouting of frames with cement concrete M-15 and plaster around the door frame with all labour and materials and as per standard specification and direction of EIC.all works should be executed as per IS:1003 guidelines	M3	4
125	Providing and fixing sal wood 30 mm panel door, window,ventilator including all fitting,hinges,handle,L-drop,tower bolt, door stopper,etc. and standard specification and direction of EIC.all works should be executed as per IS:1003 guidelines	M2	60
126	Providing and fixing 5 mm thick glass panel in aluminium door and window with necessary repair and replacement of damaged accessories all fitting and as per standard specification and direction of EIC,all works should be executed as per IS:1948 guidelines	M2	113
127	Providing and fixing 30 mm thick sal wooddoor frame with middle supportand GI wire mesh jalli door I.S. designation 85 G including all fittings, tower bolt,hinges,handles etc. and standard specification and direction of EIC.	M2	50
128	Providing & Painting one coat wooden polish with one coat of wooden primer of approved quality and approved shade confirming to ISI on doors,windows give an even shade including sand papering and making the surface smooth at all heights including cost,conveyance,loading,unloading,taxes of all materials,labour,sundries,T&P complete in all respect as per specifications and directions of Engineer-in-charge.all works should be executed as per IS:226 guidelines	FT2	50
129	P&F 20mm dia MS pipe curtain rod: Providing and fixing 20 mm dia MS pipe curtain rod . Complete with all fittings and as per direction of EIC.ISI MARK	RM	500
130	P&F Netlon Jali: Providing and Fixing Netlon Jali on window with Velcro strips or as instructed complete as directed by EIC. ISI MAKE	M2	364
131	Fixing Only of Interlock. Items will be provided by Township Stores as directed by EIC. Make : GODREJ	NO	231
132	Repairing and replacment of damaged parts if required of (table and cabinet wodden workings) including all fitting, sunmika and accessory: patch work	SqM	327

133	Providing and fixing powder coated aluminium partitions with the provision of doors(Complete with all accessories) using 1.8 mm thick powder coated heavy aluminium sections of size 6" X 1 1/2" bottom portion and of size 4" X 1 1/2" for vertical and horizontal sections and vertical sections should be placed at maximum 4'-8" center to center and panelling with Novapan board of approved shade & upto approved height and the rest with 5 mm thick Modi float or equivalent (tinted)glass of approved brand . The partition should be firmly screwed down with the floor and at both the ends and the vertical and horizontal members should be screwed down to supporting members such that there will not be shake of the partition with necessary aluminium & rubber fittings as per the direction of EIC.all works should be executed as per IS:1948 guidelines	M2	307
134	Providing and fixing of Door closures of approved make including all fittings & fixtures as per the direction of EIC as per IS 3564.(make godrej)	Nos.	84
135	Providing and fixing of Mortice lock of approved make including all fittings& fixtures as per the direction of EIC as per IS 4992. (Make: Godrej)	Nos.	82
136	Providing and fixing of section lock for door of approved make including all fittings& fixtures as per the direction of EIC as per IS 4992.	Nos.	47
137	Providing and fixing of glass shutter lock of approved make including all fittings& fixtures as per the direction of EIC. (Make: Local make, approved by EIC)	Nos.	26
138	Providing & fixing new drawer lock godrej make or equivalent as directed by EIC	No	215
139	Providing & fixing new pedestal lock for three compartment drawer godrej make or equivalent	No	29
140	Providing and fixing of AL door handle/window handle of approved make including all fittings& fixtures as per the direction of EIC: as per IS 208.	Nos	210
141	Providing and fixing of AL L Drop of approved make including all fittings& fixtures as per the direction of EIC IS 1948:1961.	Nos	368
142	Repairing of aluminium glazed door and window (including all fitting , hinges, etc.,) with removing the existing or loose articles, replacing with new materials of approved make overlapping proper beadings to ensure dust proof, laminated Nova board fixed with the help of aluminium bead upto 3 feet height as per direction of EIC as per IS 1948:1961.	M2	277
143	Providing & Fixing of Nail/screws on the wall for hanging the poster,first aid box,photos,wall papers,boards,Mirrors with all materials and labours as per the direction of EIC.	Nos	912
144	Providing & fixing mirror 5 mm (Modi/ Atul)thick 600x450 mm size with water proof ply wood on back side and with moulding bidding, polishing fixed to wooden cleat with CP brass screw completed as directed by Engineer-in-charge..	No	87
145	Providing & fixing of sun film on glass window:Providing approved quality of sunfilms and fixing them as directed by EIC including all consumables and manpower costs. (Make can be local make: approved by EIC)	M2	265

146	Providing & fixing sunmika including all accessories as per IS 710.	M2	125
147	Providing & fixing vinyl carpet (2.5 mm thick) including surface preparation.	M2	492
148	Repairing of existing aluminium section by Providing and fixing of aluminium section for door and windows with glazing clip and rubber gasket as directed by EIC including all consumables and manpower cost : as per IS 1948.	RM	36
149	P&F vitreous China white glazed western style wall mounted/ floor mounted water closet EWC make jaquar/cera or parryware.	Nos	31
150	Cleaning of septic tanks at all depth range(3m-5m) & size including disposal of mucks & waste In or outside of the plant boundary as per the guideline of municipal corporation as per IS 2470. with in deistance of 3 km), sudge will be transferred by closed container	NOS	72
151	Providing & fixing of down take pipe (PVC) on sink & urinal pot (standard length) as directed by EIC including all consumables and manpower cost as per IS 4985	NOS	1890
152	Providing & fixing Kitchen Sink (Stainless steel) with C.P. pillar cock,rubber plug, waste pipe,G.I. Connection, flexible hose,including same shade of base etc. complete as directed by Engineer-in-charge.. As per IS 13983	Nos	512
153	Providing & fixing Kitchen Sink (ceramic) with C.P. pillar cock,rubber plug, waste pipe,G.I. Connection, flexible hose,including same shade of base etc. complete as directed by Engineer-in-charge.. As per IS 13983	Nos	12
154	Providing & fixing shower with all fittings complete and as directed by engineer etc. includes all consumables and labour cost	No.s	661
155	Providing and fixing /changing medium duty GI pipes 15 mm dia sizes at all positions including all fittings as per the direction of EIC.	RM	1710
156	Providing and fixing /changing medium duty GI pipes 20 mm dia sizes at all positions including all fittings as per the direction of EIC.	RM	1493
157	Providing and fixing /changing medium duty GI pipes 25 mm dia sizes at all positions including all fittings as per the direction of EIC.	RM	1052
158	Providing and fixing PVC Pipe 125 mm dia. with all fittings etc. such as T, Elbow, Union, Coupling and adhesive etc. Make Finolex or Plasto as per IS 4985	RM	1009
159	Providing and fixing PVC Pipe 75 mm dia all Make Finolex or Plasto as per IS 4985	RM	3273
160	Providing and Fixing 15 mm U PVC pipe with all fitting accessories such as T, Elbow, Union, Coupling and adhesive etc. Make Finolex or Plasto as per IS 4985	RM	490
161	Providing and fixing of C.P brass bib cocks/stop cocks 15 mm/piller cock with all fittings complete and as directed by Engineer-in-charge..	No.s	1777
162	Providing & fixing battery for urinal censor with complete repairing including all accesories for auto sensor urinal (Jaguar make) as per IS 7231	No	5

163	Providing & fixing white vitreous flat back urinal basin with Automatic cistern (CP finish) including brackets, waste pipe fitting, fixtures GI connection, including floor traps etc. complete as directed by Engineer-in-charge.. as per IS 7231(Make: hindustan)	No	32
164	Providing & fixing wash basin with C.P. pillar cock,rubber plug,waste pipe,G.I. Connection,flexible hose,including same shade of base etc. complete as directed by Engineer-in-charge.. as per IS 771	Nos	524
165	Providing & fixing of hand Fauset on EWC with flexible pipe of make Jquar or cera complete as directed by Engineer-in-charge..	Nos	108
166	Providing & fixing of PVC cover for EWC of make Jquar or cera complete as directed by Engineer-in-charge.. IS 4985	Nos	516
167	Supply and fixing of CP Brass Waste coupling for wash basin, urinal (32mm) as per IS 771	Nos	546
168	Supply and fixing of CP Brass Waste coupling for wash kitchen sink as per IS 771	Nos	546
169	Cleaning of choked 'water closet' of flush toilets	Nos	180
170	Cleaning of inspection chamber of size 800*800 mm andd suldge will be of 100 mm depth. Sludge has to be removed and disposed within lead of 3 km and sludge has to be transported in closed container.	Nos	420
171	Leakage arresting - Areesting of all the minor leakages in pvc and GI water connection with complete permanent treatment and complete accessory. (minor leakages include tiny holes in the pipe of dia less than 5 mm)	Nos	107
172	Providing and fixing of pvc connection (standard size) flexible pipe of wash basin and sink. IS 4985	Nos	1430
173	Providing and fixing of cistern for wc pan (indian and western) with all fittings and accessories.	Nos	421
174	providing and fixing approved quality push tap for wash basin , complete with all ftings, Make - Jaquar of equivalent. all works should be executed as per IS:2064 guidelines.	Nos	50
175	Providing and fixing of float valve for all size of water cooler and water tank. all works should be executed as per IS:778 guidelines.	Nos	525
176	Proving and fixing of 1 inch GI gate valve with all fittings and accessories. all works should be executed as per IS:778 guidelines.	Nos	138
177	Proving and fixing of 2 inch GI gate valve with all fittings and accessories. all works should be executed as per IS:778 guidelines.	Nos	134
178	Providing and applying 2 coats of oil bound distempers of berger , asian or approved quality and shading at all positions & heights including finishing the surface by filling whitener etc. as per specification.After completion of work site is to be cleaned as per direction of EIC. all works should be executed as per IS:2395 guidelines.	M2	77230

179	Providing and applying 2 coats of Synthetic Enamel paint of berger , asian or approved quality and shading at all positions & heights including finishing the surface by filling whitener etc. as per specification. After completion of work site is to be cleaned as per direction of EIC. all works should be executed as per IS:2395 guidelines.	M2	25000
180	Providing & White washing two coats of approved colour on old/new surfaces of the building at all heights and positions including the cost of material and labour complete as per specification and direction of EIC including cleaning, scraping, complete as per specification and direction of EIC including cleaning, scraping, removing dust & dirt etc. complete. all works should be executed as per IS:2395 guidelines.	M2	19180
181	Providing & applying POP(Birla Putty) after scratching/rubbing the wall for making the surface in good as per the direction of EIC.	M2	21750
182	Providing and applying two coats of decorative water proof cement paint of approved quality (Snowcem or equivalent) at all heights and positions. all works should be executed as per IS:2395 guidelines.	M2	2200
183	Providing and applying two coats of Synthetic emulsion paint of approved quality of berger or asian make and shade, at all locations over and including a priming coat with approved quality cement primer over wall surface, ceiling etc. including preparation of surface complete with all byworks as per standard practice, specification and direction of the engineer. all works should be executed as per IS:1038 guidelines	M2	12600
184	WIND SOCKS for airstrip : Providing and Fixing Wind Socks to Township Administration Department : Making and Supplying of Wind Socks prepared and stitched with best quality Satten Cloth / Parachute Material , water and sun resistant of length approximately 3 Meter . With 5 White Strips and 4 Black Strips of width 0.3 Meter Each in alternate sequence . Upper Diameter 1.56 Meter and Bottom Diameter - 1.5 Meter . With Nylon Thread at Front area . Complete with all material , stitching and supplying and labor cost and complete as per the direction and specification of the EIC.	NO	6
185	Providing & applying of approved quality of chlorinated rubber paint shading at all positions & heights (Min 30 mtr height) including finishing the surface by complete removal of rust part & this includes painting of structure over one coat of primer with red oxide . After completion of work site is to be cleaned as per direction of EIC. all works should be executed as per IS:1200 guidelines	M2	4680
186	Providing & applying of approved quality Aluminium paint 20-25 micron shading at all positions & heights (Max 30 mtr height) including finishing the surface by complete removal of rust part & this includes painting of structure & stright light pole etc. two coats of aluminium paint needs to be applied. After completion of work site is to be cleaned as per direction of EIC. 3 year warranty should be given by the vendor. all works should be executed as per IS:1200 guidelines	M2	3200

187	Font writing with paint on board/wall/structure parts in different sizes as per instruction of EIC all works should be executed as per IS:1200 guidelines	FT2	1800
188	Painting of dadoos , after proper rubbing and cleaning, primer application and two coats of weather proof Apex paint in desired color as per incharge. all works should be executed as per IS:1200 guidelines(size of dadoos 8' inch face surface , 4 inch top surface)	RM	8580
189	Steel structure painting work with one coat epoxy primer 100-120 micron and 2 coats epoxy top coat 35-40 micron in desired colour. 3 year warranty should be given by the vendor. all works should be executed as per IS:13238 guidelines.(supply of paint will be in vendor scope)	M2	5200
190	Providing & fixing in position barbed wire fencing , straightened & fixing to MS post complete with all labour & materials as per instruction of Engineer-in-charge. all works should be executed as per IS:278 guidelines (2 ply and only barbed wire fixing)	RM	55700
191	Providing & Fixing in position Concertina wire fencing 650 mm dia in multiple rows , Density 25 feet/7.62 m upto a height of 3 metre with angle iron 'Y' shaped steel posts placed at 3m c/c with a horizontal RBT stud tied with GI staples & GI clips to retain horizontality including necessary bolts or GI barbed wire tied to angle iron all complete as per the direction of EIC. The work includes all material charges of reinforced barbed tape(RBT)/ spring core(2.5 mm thick) wire of high tensile strength of 165 kg/ sqmm with tape and all labour charges . all works should be executed as per IS:278 guidelines	RM	350
192	Providing, fabrication and erection of steel structures including cutting, welding, drilling , providing nuts, bolts & washer etc. as per required diameter holes etc.(conforming to IS 226/1975) as per drawing/sketch including all labour & materials, all consumables like gas, welding rod shall be in contractor's scope. This includes painting of structure with 2 coat of synthetic enamel paint over a coat of primer with red oxide. all works should be executed as per IS:800 guidelines and with in 5 meter height.	MT	23
193	Fabrication and erection of steel structures including cutting, welding, drilling, providing nuts, bolts & washer etc. as per required diameter holes etc.(conforming to IS 226/1975) as per drawing/sketch including all labour & materials, all consumables like gas, welding rod shall be in contractor's scope. This includes painting of structure with two coat of synthetic enamel paint over a coat of primer with red oxide.(steel will be supplied by Balco) all works should be executed as per IS:800 guidelines. From zero to 5 meter height.	MT	56

194	Fabrication of chair of boiler tube and woodern planks. including cutting of material, scrubbing, gringing, Welding, screwing,putty aplication and two coats of enamel painting etc. the job also includes shifing and fixing/grouting of fabricated chairs to desinated place. All the job related to fabrication fo chairs shall be in contractors scope. Only boiler tubes and wooden plank shall be provided by blaco. The chair will be of three sitting compartment arrangment and middile and corner handle. the job will be executed as per the instruction of engineer incharge.(3 seater chair shall be made) three people can sit on the chair	Nos	16
195	Cleaning/cutting rank vegetation of all types viz. grasses, bushes of wood,, sapling etc. and removal of rubbish/bushes to the disposal yard as directed by Engineer-in-charge. and burning the cut jungle at the disposal yard or the places as directed by EIC..	M2	24782
196	Providing & fixing of flash strip by properly heating (length of 25 mm to 50 mm) & cleaning of the damaged surface neatly. The work has to be carried outby allthe safety preccations & with proper quality of flash strip	Nos.	440
197	Cleaning , bagging & taking down of dirt, dust, loose waste material etc. from roof, walk way & gutter trenches, AC sheets after bagging carefully & trasportation of the same to the assigned place with in a lead of 3 KM as per direction of EIC the contractor has to take all safety precaution during the execution of the work.	RM	11000
198	Cleaning of drains after opening of cover slab & covered after cleaning and shifting of materials as per the direction of EIC with in a lead of 4 Km.	RM	6400
199	Providing and Applying sealent (e.g. Metafill or equivelent) on gap along Duct(duct is of 2 m diameter), that can withstand 180 OC Temp. at the location indicated by BALCO EIC. Sealent should not be electrically conductive. all works should be executed as per IS:12118 guidelines	Nos.	36
200	Removal of mud, sand, silt, waste, debris etc. from pucca or kutchra drains/naalaa (depth 1M) complete transporting and depositing the removed material out side plant as directed by EIC within a lead of 2 KM	M3	7220
201	Cutting of trees of 150 to 500 mm dia indlucing cutting, trimming and disposal as directed by EIC lead 3 km	Nos	113
202	Pit Cleaning - Cleaning of pit at all depth by manual and machine cleaning method. And removal and disposal of mud, silt sand, and all other removed material within lead of 10 KM as per EIC. pit size will be 10m *10m & sludge of 1 m can be expected. closed tank shall be used ot transport and collect sludge through mechanical means	CUM	1900
203	Supply of unskilled (labour/worker) for miscellaneous cleaning, brooming, loading/unloading and material shifting etc during External Audit and visit jobs as per the instruction of EIC	Nos	761

204	(exculding supply)Laying refractory brick soling/debris filling, including compaction , consolidation, finishing the surface to proper profile, filling the interstices with sand etc., all complete with labours, tools and tackles etc.including transportation as per specifications and direction of EIC.(material will besupplied by balco-transportation of Material under contractor scope within the lead of 3km inside the balco plant.)	M2	230
205	Providing and fixing of GI sheets of approved size (conforming to IS 495/1970) in roofing and wallings with 8 mm dia GI 'L' or 'J' hook, bolts, nuts, GI plain/cup washer etc. complete at all heights and positions as per direction of Engineer-in-charge.Note:Punching for provision of hole to fix the nuts and washers is not allowed, drilling of holes in place of the latter shall be strictly followed.(Payment will be made only for open area) all works should be executed as per IS:277 guidelines	M2	100
206	Providing and fixing of PVC corrugated Sheets approved size (conforming to IS 495/1970) in roofing and wallings with 8 mm dia GI 'L' or 'J' hook, bolts, nuts, GI plain/cup washer etc. complete at all heights and positions as per direction of Engineer-in-charge.Note:Punching for provision of hole to fix the nuts and washers is not allowed, drilling of holes in place of the latter shall be strictly followed.(Payment will be made only for open area) all works should be executed as per IS:277 guidelines	M2	50
207	Repairing of wooden flush door shutter including fittings,handle,ldrops,towerbolt,hinges if any etc. complete with all materials and labours as per specification and direction of EIC.	NO	31
208	Providing and fixing Joint free kota stone in floors of approved quality & shade as per site requirement/direction of Engineer-in-charge including removal of old flooring and necessary repairing in cement mortar 1:4 (one cement: four coarse sand) with an admixture pigment including cutting polishing as per standard specification & direction of EIC.	M2	10
209	Providing and fixing of Anti skid floor tiles as per site requirement/direction of Engineer-in-charge including removal of old tiles and necessary repairing in cement mortar 1:4 (one cement: four coarse sand) with an admixture pigment including cutting polishing as per specification.	M2	100
210	Providing and fixing /changing medium duty GI pipes 32 mm dia sizes at all positions including all fittings asper the direction of EIC.	RM	100
211	Providing and (fixing /changing) medium duty GI pipes 50 mm dia sizes at all positions including all fittings asper the direction of EIC.	RM	200
212	Providing and fixing SWG Pipe 125 mm dia.with all fittings etc.	RM	56
213	Providing and fixing Plastic bib cocks/stop cocks 15 mm with all fittings complete and as directed by Engineer-in-charge..	No.s	1640

214	Providing & fixing of stainless steel HILTI bolts(16mm dia bolt , length 230mm) for foundation including drilling & anchoring the bolt by chemical anchoring method with RE 500 or equivalent ncluding all tools & labours as per the direction of EIC. all works should be executed as per SP-6 guidelines	No.	66
215	Providing & fixing of stainless steel HILTI bolts(20mm dia bolt, length 230mm) for foundation including drilling & anchoring the bolt by chemical anchoring method with RE 500 or equivalent ncluding all tools & labours as per the direction of EIC. all works should be executed as per SP-6 guidelines	No.	36
216	Providing & fixing of stainless steel HILTI bolts(24mm dia bolt , length 350mm) for foundation including drilling & anchoring the bolt by chemical anchoring method with RE 500 or equivalent ncluding all tools & labours as per the direction of EIC. all works should be executed as per SP-6 guidelines	No.	26
217	Providing & fixing of mechanical anchoring bolt (16mm dia , length 150 mm) for foundation including drilling & anchoring the bolt by mechanical anchoring method ncluding all tools & labours as per the direction of EIC. all works should be executed as per SP-6 guidelines	No.	30
218	Providing & fixing of mechanical anchoring bolt (20mm dia , length 150 mm) for foundation including drilling & anchoring the bolt by mechanical anchoring method ncluding all tools & labours as per the direction of EIC. all works should be executed as per SP-6 guidelines	No.	30
219	Supplying & grouting foundation pockets(150X150X400MM) under base plates etc. with ready mixed non-shrink grout (shrinkkomp) at all locations including shuttering (wherever necessary) with all bye-works complete as per drawings, manufacturer's specification and as directed by the engineer. all works should be executed as per IS:456 guidelines	No.	111

220	<p>Providing and fixing of half partition as per site requirement (1.8X1.5X1.5m) made of 72mm thick double skin wooden & partially glazed (requirement as per site condition - average 0.3m height) (as per standard procedures), using 50X50mm kiln seasoned and chemically treated hollock wood framing with horizontal and vertical members @ 600mm c/c (avg) painted (Fire proof paint of approved quality) and the entire frame fixed and duly anchored firmly to the floor & ceiling masonry work/CC/RCC/stone by drilling holes and making good using dash fasteners of approved make at 450mm (avg) c/c in an approved manner true on plumb alignment etc. complete including fixing of lamination on one side and balancing lamination on the other side (Grade I, Type II IS 12823 marked) fixed on both sides of the frame using M.S. size 40X20X3mm cleat (of approved make) that shall be screwed to the board @ 450 mm (avg) and the board shall be fixed to the frame using appropriate screws with a gap of 20 mm that shall have suitable wood beading (20X12 size with 6mm groove in the center) fixed to the framework using necessary screws. All exposed wooden surfaces shall be stained to match the colour of laminate, etching strips shall be provided in the glazed portion as per direction of EIC. All materials used above shall be of approved quality and make as per the direction of EIC</p>	M2	70
221	Providing & fixing of MS grating as per the direction of EIC	kg	600
222	Providing & fixing of PVC waste pipe (standard length) for wash basin as per the direction of EIC all works should be executed as per CED-50 guidelines	Nos	1395
223	Providing & fixing of 1 inch brass (heavy duty) valve as per the direction of EIC all works should be executed as per CED-50 guidelines	NOS	90
224	Supply & fixing of 1 1/2" inch brass (heavy duty) valve as per the direction of EIC all works should be executed as per CED-50 guidelines	NOS	100
225	Supply & fixing of 2" inch brass (heavy duty) valve as per the direction of EIC all works should be executed as per CED-50 guidelines	NOS	50
226	filling of approved quality earth (provided by BALCO) in authorised locations in foundations, under floors, trenches and other places, at all lead, depth, lift and locations, watering and ramming or flooding with water, with all byeworks complete as per drawing, specification and instruction of the engineer. (Material will be provided by BALCO, transportation of material will be under contractors scope)	M3	100
227	Surface dressing of the ground in all types of soil to the required profile (not exceeding 30 cm cutting/filling) including removing vegetation, rubbish, spoils etc. including consolidation of the ground by watering and ramming etc. and disposal of debris outside the plant all complete as per specification and direction of EIC.	M2	2519
228	Providing and fixing of floor trap SS jalli with all materials like cement and other materials for bathroom and other required places	No	350

229	Providing and laying mastic asphalt insulation 25 mm thick as per specifications (IS:1195) and direction of Engineer-in-charge excluding the cost of bitumen 90/15, . . Before laying the flooring area is to be cleaned thoroughl and remove old layer of mastic completely wherever required.	M2	100
230	Providing & fixing of GI chain link fencing coated with aluminium silicon alloy having (1.5 - 2 mm thick- 50mmX50mm opening & 1.5m height) thick with proper streaching& fixing with frame by welding(welding rod will be contractor scope) complete with all labour & materials as per direction of EIC.	RM	100
231	Fixing of board,photos,safety board in wall with screws,nails etc as per thedirection of EIC, boards will be provided by BALCO	NO	207
232	Supply and laying of 6mm downgraded aggregate including of transpotation , material , labour cost, tools & tackles. As per direction of EIC.	CUM	140
233	providing & laying of NP-3 RCC hume pipe 600mm dia including collar joint with 1:3 (cement: sand) cement mortar all works should be executed as per IS:458 guidelines	RM	20
234	providing & laying of NP-3 RCC hume pipe 300mm dia including collar joint with 1:3(cement: sand) cement mortar all works should be executed as per IS:458 guidelines	RM	30
235	Providing material and making of earthpits (2ft X 2ft, depth 8 ft) as per IS specifications. Scope of work includes complete construction of earth pit including electrical items along with civil works as per direction of EIC	no	444
236	Providing and fixing of new cubical wooden partition with double layer 12 mm ply with desired colour of sunmica including all wooden/planks work as per EIC	SQM	30
237	Supply of Retro type board Deparmental location . As per below mention specification.#Size:5ftX3ft#Size:3ftX2ft#The board as per the attached Photograph. Balco and vedanta Mono is to be fixed at the top.#Including painting with one coat of red oxide and two coats of synthetic enamel paint on the frame of the board.#Dep't Location will be given by User Dep't.##"((frame: MS pipe thickness 2 mm, circular post pipe with dia 40 mm, length, 8 ft height) with complete grouting	FT2	200
238	Supply of Deparmental location(Flex printed board) . As per below mention specification.#Size:5ftX3ft#Size:3ftX2ft#The board as per the attached Photograph. Balco and vedanta Mono is to be fixed at the top.#Including painting with one coat of red oxide and two coats of synthetic enamel paint on the frame of the board.#Dep't Location will be given by User Dep't.##"(frame: sqaure box pipe frame, size 25 mm box pipe)legs can be upto 3ft	FT2	2100

239	Painting of spray/brush (As directed by EIC) painting of external surfaces of Transformer/ motors/ switch gears / Equipments etc. including surface preparation. This include cleaning, transportation of paints from stores to site, tools & tackles, plants, compressor, scaffolding, labour etc. all complete including the cost of paint and thinner. all works should be executed as per IS:1477 guidelines. Synthetic Enamel paint can be used for painting	SQM	900
240	Supplying & grouting work with ready mixed non-shrink grout (GP2) at all locations including shuttering (wherever necessary) with all bye-works complete as per drawings, manufacturer's specification and as directed by the engineer.	CUM	4
241	Providing and laying pavement quality concrete of M-30 grade using cement not less than 370 Kg / cum of concrete , coarse sand , graded stone aggregates conforming to clause 602.2.4 of MORTH - 1V revision mechanically vibrated using needle and surface vibrators including steel form work with MS Channel sections. The workmanship form mixing placing, curing and surface finish shall be as per MORTH -1V revision. The panel size for placing concrete shall be shown in the drawing/ as directed by EIC. all works should be executed as per IS:1838 guidelines	CUM	50
242	Providing & supplying impregnated fibre board , SHALITEX or equivalent 20 mm thick for joints with hot bitumen 80/100 complete	SQM	20
243	Cleaning of storm water drains (main drain) and getting out mud, sand, silt, waste, vegetation and other debris etc. from pucca or kachha drains and removal of these waste materials upto existing bottom level of drain(depth 1.0m to 1.5 m) and disposal of these debris within a lead of 5 KM .Complete with all tools required for drain cleaning work , transportation , labour , tackles and complete as directed by EIC.It includes Cleaning of storm water open main drain of depth between 1.0 meter to 1.5 meter .	RM	7000
244	Cleaning of storm water drains(sub drain) and getting out mud, sand, silt, waste, vegetation and other debris etc. from pucca or kachha drains and removal of these waste materials upto existing bottom level of drain(depth 0.5m to 1.0m) and disposal of these debris within a lead of 5 KM .Complete with all tools required for drain cleaning work , transportation , labour , tackles and complete as directed by EIC.It includes Cleaning of storm water open main drain of depth between 0.5 meter to 1.0 meter	RM	35000

245	Random rubble stone masonry in cement mortar (1:4) with hard granite stone of 1 cft (0.027 cum) and above size , quarried, free from weathered skin and of approved quality in foundation, catch pits, Toe walls, drains & plinth with splays cutting & circular moulding whether necessary at all heights & depths including all cost, conveyance, royalty & other taxes of all materials including pointing and 50-60mm top finish with PCC1:2:4, watering and curing for required time etc. complete with pumping and bailing out of a sub-soil water, rain water etc., slush removal etc., all complete in all types of soils, transporting & depositing the spoil heaps or disposing as directed by EIC within a lead of 100M all works should be executed as per IS:1597 guidelines	M3	20
246	Apex Painting : Providing and applying two coats of Asian APEX Exterior Emulsion of approved and existing colour , using roller & brush, to give uneven shade on outside wall surface (after crack repairs / hole filling) And applying ONE Coat of Exterior Wall Primer before applying Apex Paint. Including washing floors, cleaning glass and cleaning work area etc,complete with all labours , tools , machines etc and complete as per direction of EIC. Make: ASIAN APEX all works should be executed as per IS:2395 guidelines	M2	14130
247	Roof Cleaning : Complete Cleaning and disposal of Grass , Weeds , Garbage etc on Roof at all height and position including arrangement of scaffolding .Complete with disposal within a lead of 2 KM.Complete with all labor , tools and materials etc and complete as per the direction and specification of the EIC.	M2	1000
248	Repairing of MS Gate : Repairing of MS Gate ,Door , Window , Ventilator ETC including Welding Work , Welding of Gate L Drop , Upper Handle , fixing of available gate detached from pillar / damaged pillar complete with all labour , materials , civil and welding work . Complete as per direction if EIC.(Repairing work includes weilding work only)	NO	206
249	Supply and leveling of stone dust, and proper compation with vibrating road roller and water spreading in the area	M3	81
250	Providing and operation of Pocklane including all costs, the job to be jone as per EIC	Hr	30
251	Providing and fixing desktop Key board slider strip(number inclludes both side of keyboard tray)	Nos	21
252	Repair of office chair with all accessories (only weheels nreplace and handle repairing with new screws has to be done)	Nos	80
253	Dismantling of false ceiling & patitrions(wooden/Aluminium)	M2	240
254	Providing and fixing wall mounted push type flush system make jaquar/cera/paryware	Nos	7
255	Providing and operation of vibrating road roller including all cost(diesel cost, manpower cost,transportation cost)	Hr	35
256	Zebra painting work in roads and shopfloor including a one coat primer, one coat paint(synthetic enamel) and manpower cost, in approved colour as per EIC	M2	300
257	Breaking of locks(drawer, door locks(round locks)) or making of duplicate keys of the same lock	Nos	30

258	Zero level flooring:- Repair of zero level floor by dismantling all old/damaged surface, sand filling and laying PCC M15, of 43 graded cement(make:CEMENT AMBUJA / ULTRATEC / JK LAXMI or Equivalent , 53 GRADE , OPC) insuring all safety precaution given by the deparment, the job includes all material , man and machinery, minimum two supervisor should be at site for zero level area during work. ensuring all safety precaution as per pot room guideline. Debris shall be disposed with in lead of 3 KM.	M3	590
259	Dismantling of existing roof sheeting an Dismantling of roof sheet at all height of structure, taking it down and sending to scrap yard with in 3 KM lead of BALCO plant by ensuring all safety compliance all works should be executed as per IS:4130guidelines	M2	75000
260	Fixing of GI Roof Sheets at all height of structure by ensuring all safety compliance, all the consumables i.e. screw, nut, washer MOC: GI etc shall be provided by the contractor. Only Roof sheet will be issued by BALCO and transportation of roof sheet will be in the scope of vendor with in the lead of 3 KM.	M2	67000
261	fixing of AL sheets of approved size (conforming to IS 495/1970) in roofing and wallings with 8 mm dia AL 'L' or 'J' hook, bolts, nuts, AL plain/cup washer etc.complete at all heights and positions as per direction of Engineer-in-charge.Note:Punching for provision of hole to fix the nuts and washers is not allowed, drilling of holes in place of the latter shall be strictly followed.(Payment will be made only for open area)(Only sheet will be supplied by Balco & All Fixing Materials Contractor Scope) (MOC of screw will be SS)	M2	20000
262	Dismantling all types of steel structures by gas cutting at all heights and level, taking down, transporting and depositing the same to Balco store within a lead of 4 kms ,all works should be executed as per IS:4130guidelines	MT	75
263	Fabrication and erection of steel structures at height for roof sheeting job at all lead & lift including cutting, welding, drilling, providing nuts, bolts & washer etc. as per required diameter holes etc.(conforming to IS 226/1975) as per drawing/sketch including all labour & materials, all consumables like gas, welding rod shall be in contractor's scope. This includes painting of structure with two coats synthetic enamel paint over a coat of primer with red oxide.(steel will be supplied by Balco) all works should be executed as per IS:800guidelines, Above 5 meter height.	MT	50
264	Providing 2 nos of cherry picker for 86 feet heaight on rental basis, including breakdown maintenance & opreation. Diesel will be in BALCO scope, 26 days availability should be ensured, breakdown hour shall be deducted from the bill. Cherry pickers will operated in general shift(Total 4 cherry picker for one year so 48 months for 4 cherry pickers, please provide unit rate as one cherry picker / per month)	Mon	24

265	Providing 2 nos of cherry picker for 120 feet height on rental basis, including operator, breakdown maintenance & operation. Diesel will be in BALCO scope, 26 days availability should be ensured, breakdown hour shall be deducted from the bill. Cherry pickers will be operated in general shift (Total 2 cherry picker for one year so 24 months for 2 cherry pickers, please provide unit rate as one cherry picker / per month)	Mon	24
266	Providing, Operational & Maintenance Charges of Machinery. Providing (STHIL/ Honda make), operation and maintenance contract of the following machinery including fuel and lubrication and breakdown repair. 1 - Brush cutter - 10 Nos 2 - Hedge Trimmer - 6 Nos 3 - Blower - 2 Nos 4 - Mistblower - 3 Nos 5 - Lawn Mower - 2 Nos 6 - Chain Saw - 7 Nos The item includes complete operation & maintenance Cost with Supply of all type of accessories, Spares & Consumables along with maintenance.	Mon	12
267	Rental charges for 2 nos of Tractor and trolley including Driver, Maintenance, Insurance, Road taxes, diesel etc. for one year for eight hours (require 2 tractor with for one year so total quantity is 24 months, unit rate shall be per tractor per month rate)	Months.	24
268	Providing and Supply and Stacking of good earth for filling and levelling . Complete with all labour , material , tools and transportation and complete as per the direction and specification of the EIC.	M3	100
269	Providing and supplying : Grassing With Barmuda Grass Including plantation, Watering and maintenance. Horticulture work includes 2 Months development time and 10 month maintenance time. Placement shall be done with additional external resources and maintenance shall be done with existing resources.	M2	10000
270	Providing and supplying of Madhukamini Hybrid (plant of 5 feet height) Including plantation. Horticulture work includes 2 Months development time and 10 month maintenance time period , The job shall be done with existing resources	NO	2500
271	Providing And Planting Trees / bushing plants like Bottle Palm, Ashok , Vidya & IGJORA , Gauri Chauri and Mushanda etc. Horticulture work includes 2 Months development time and 10 month maintenance time period, The job shall be done with existing resources.	NO	475
272	Plantation Roses plants : Providing and Planting Rose plants including development and maintenance. The job shall be done with existing resources	NO	500
273	Providing and Plantation of Traveller Tree (5 feet height) : Providing and Planting Traveller Tree including development and maintenance. Placement and maintenance shall be done with existing resources.	NO	530

274	Maintenance and nourishment of existing tree 6 ft height by proper trimming , designing, insecticide and maure filling	Nos	18240
275	Plantation and mainteance of new garden tree, fiucs prestige and foxtail palm tree of 6 ft height, Plantation shall be done with exisiting resources and Maintenance shall be done with existing resources during contract period.	Nos	200
276	Maintenance and nourishment of existing hedge by proper trimming, designing, insecticide and maure filling	RM	144000
277	Providing and supplying : Plantation and maintenance of Hedge / plant , duranta , yellow leaf , , with all cost of labour , tools , tackels including surface excavation , dressing , aapplication of chemical fertilizers , watering etc. Horticulture work includes 2 Months development time and 10 month maintenance time. Plantation shall be done with external resources and Maintenance shall be done with existing resources during contract period.	RM	3600
278	Maintenance and nourishment of existing lawn by proper trimming, designing, insecticide and maure filling and exsisting capet grass will be used for filling any gaps with dibbling method. The job shall be done with existing resources	M2	186700
279	Development of new lawn, by proper ploughing, Manure spreading and placemnt of carpet grass with dibbling mehod. Placement shall be done with external resources and Maintenance shall be done with existing resources during contract period.	M2	10600
280	Maintenance of existing pop up sprinkler: replacement cost of complete sprinkler will be provided as per below line item all works should be executed as per IS:15105 guidelines, The job will be done with existing resources.	Nos	32340
281	Providing , Placement and maintenance of new pop up sprinkler with a radius od 2-3 Mtr in newly developed garden area including all accessories. all works should be executed as per IS:15105 guidelines, Placement shall be done with additional external resources and Maintenance shall be done with existing resources during contract period.	Nos	520
282	Maintenance of existing I 31 sprinkler, replacement cost of complete sprinkler will be provided as per below line item all works should be executed as per IS:15105 guidelines. maintenance shall be done with exisiting resources.	Nos	2280
283	Providing, placing and mainteance of new I 31 sprinkler, complete with all fittings and accessories all works should be executed as per IS:15105 guidelines. Maintenance shall be done with existing resources during contract period.	Nos	45

284	Inspection, Cleaning and maintenance of existing water supply pipe lines in gardens, in case of chokage, leakage etc. max. 75mm dia u pvc all works should be executed as per CED-24 guidelines. The job shall be done with existing resources.(consumable will be in vendor scope)	RM	19800
285	Inspection and Maintenance of existing manual valve 65 mm dia MOC: MS including all work, filter cleaning, greasing etc all works should be executed as per IS:8931 guidelines. The job shall be done with existing resources.	Nos	4320
286	Providing and fixing manual gate valve 65 mm dia MOC: MS junction box(1ft * 1ft *1ft). all works should be executed as per IS:8931 guidelines. The job shall be done with existing manpower.	Nos	250
287	Providing and placing of seasonal flower plants including labour cost, the job shall be done with existing resources.	Nos	50
288	Supply and placement of decorative plants(2 ft height) for office area, the job shall be done with existing resources.	Nos	50
289	Driving away stray animal from balco township and plant , timings 8 am to 6pm from the township roads , streets , and all public places , driving away from township premises. Care should be taken to keep away animals from the road and streets .To ensure 100% clearance of road from Plant gate to Sector 4,Sector 2 ,Sector 1,Sector--3,Market area & at all major roads where animals setting in street /roads. Complete with all labours , materials , tools , and tackles. And Complete as per direction of EIC.Deployment of labours as per direction and instruction of EIC#. Time to time announcement and information to all people near by Balco area.# Vender have to keep the mobile and mobile number will be circulated to the occupants of town ship.# Vender has to attend complaints of occupants # Manpower of minimum 2 shall be deployed to execute the job. Vendor has to inform/coordinate with kanji house municipal nagar nigam to transfer stray animals.	Months	12

SCHEDULE I

STANDARD TERMS AND CONDITIONS

1. DEFINITIONS

- 1.1. In the Agreement, the following words and expressions shall, unless the context otherwise requires, have the following meanings:

“**Affiliate**” shall mean with respect to any person, any other person that, directly or indirectly, controls, is controlled by or is under common control of such specified person. For the purposes of this definition, “control” means the direct or indirect beneficial ownership of more than fifty percent (50%) of the issued share capital, stock or other participating interest or the legal power to direct or cause the direction of the general management of the company, partnership or other person in question, and “controlled” shall be construed accordingly;

“**Agreement**” shall mean the Agreement between the Company and the Service Provider to which this Schedule is attached. “**Fees**” shall mean the prices and/or rates payable by the Company in respect of the Services and/or as specified in the relevant Purchase Order.

“**Purchase Order**” shall mean the document recording the specific Services to be carried out under this Agreement, from time to time.

- 1.2. Unless otherwise stated, any and all references in the Agreement to Clauses are references to the Clauses of the Agreement.
- 1.3. The headings in the Agreement are used for convenience only and shall not govern or affect the interpretation of the Agreement.
- 1.4. Words denoting the singular shall include the plural and vice versa, where the context requires.
- 1.5. Except as expressly identified, any reference to statute, statutory provision or statutory instrument shall include any re-enactment or amendment thereof for the time being in force.
- 1.6. Unless expressly stated otherwise, all references to days, weeks, months and years shall mean calendar days, weeks, months and years.

2. SCOPE OF CONTRACT

- 2.1. The terms and conditions of the Agreement shall apply from the Effective Date and shall remain valid for the Term unless this Agreement is terminated earlier by the Company in accordance with Clause 10 below (Standard Terms and Conditions).
- 2.2. Subject to the provisions of this Agreement, the Parties agree that upon request of the Company in terms hereof, the Service Provider shall perform the Services at such locations and for such periods as may be agreed with the Company.
- 2.3. From time to time, the Company may issue a Purchase Order to the Service Provider. In such case, the terms and conditions of this Agreement shall apply to each such Purchase Order as if repeated in total.

- 2.4. The Service Provider shall commence the Services on the scheduled commencement date stated under this Agreement or in the relevant Purchase Order and shall continue such Services for the Term or the duration of the Purchase Order as applicable unless terminated earlier in accordance with terms and conditions hereunder. Each Purchase Order is subject to agreement on a case by case basis.

3. SERVICES

- 3.1. The Service Provider shall perform the Services with all due skill, care and diligence in a safe, competent and timely manner and in accordance with the requirements of the Agreement and/or the relevant Purchase Order. If Company notifies the Service Provider of any defect in the performance of the Services, the Service Provider shall rectify such defect at its own expense.
- 3.2. Except to the extent that it may be legally or physically impossible, the Service Provider shall comply with the Company's instructions and directions in all matters relating to the Services consistent with the provisions hereunder.
- 3.3. The Service Provider shall agree with the Company in the relevant Purchase Order from time to time as regards the personnel who will perform the Services and shall:
- (a) only provide such personnel who possess appropriate experience, skills and qualifications necessary for the Services to be performed in accordance with this Agreement;
 - (b) not remove or replace such personnel without the prior written consent of the Company (not to be unreasonably withheld); and
 - (c) nominate a senior manager or director of the Service Provider to have overall responsibility for the provision of the Services in terms stated under this Agreement and/or the relevant Purchase Order, which person shall attend any meetings with the Company on reasonable prior notice.
- 3.4. The Company shall be entitled to request the Service Provider to replace any of its personnel providing the Services, where in the Company's reasonable opinion such person is incapable and or unsuitable for performing the Services required by this Agreement. The Service Provider shall promptly replace such person at no additional cost to the Company.
- 3.5. Without prejudice to any other rights of the Company under the Agreement or at law, if the Service Provider fails to perform the Services in accordance with the provisions of this Agreement, the Company may use alternative means to perform the Services and the Service Provider shall be liable for any additional cost incurred by the Company in using such alternate means.

- 3.6. The Service Provider hereby represents and warrants that it has all corporate authorisations and all other approvals, statutory, regulatory or other consents, licenses, waivers or exemptions required to enter into and perform its obligations under the Contract and is not restrained, enjoined or otherwise prohibited or made illegal by any applicable law, from executing and performing this Contract.

4. FEES

- 4.1. The Company shall pay for the Services performed in accordance with the prices as per Attachment 2 to Schedule I and/or rates specified in the relevant Purchase Order.
- 4.2. In case of contingency assignments, the agreed fees for such onetime Services shall be payable on completion of the relevant assignment as per the terms agreed under this Agreement and/or the relevant Purchase Order.

5. SERVICE PROVIDER'S GENERAL OBLIGATIONS

- 5.1. The Service Provider shall, and the Service Provider shall ensure that its employees and representatives shall, in performing its obligations under this Agreement, comply in all respects with all relevant laws, statutes, regulations and orders for the time being in force.
- 5.2. Where any of the Service Provider's employees or representatives is present at any of the Company's premises for the purposes of this Agreement, the Service Provider shall at all times remain responsible for the conduct and safety of such employee or representative.
- 5.3. The Service Provider shall not, in performing its obligations under this Agreement, hold itself out or permit any person to hold it out as being authorised to bind the Company in any way and will not commit any act which might reasonably create the impression that it is so authorised.
- 5.4. The Service Provider shall ensure that it has in place and maintains in place for the duration of this Agreement sufficient insurance to comply with all applicable laws and to cover its potential liabilities under this Agreement and shall provide evidence of such insurances to the Company on request. The Service Provider undertakes that such insurances shall contain waivers of any rights of recourse including, in particular, subrogation rights against the Company arising out of or in connection with the performance of this Contract to the extent of liabilities assumed by the Service Provider hereunder;
- 5.5. Notwithstanding the provision of the information by the Company, the Service Provider shall be deemed to have satisfied itself in respect of all relevant matters pertaining to the Services, including, but not limited to, the Scope of Work, the nature of the Services, access to the site, local facilities, climatic, sea, other water and weather conditions, working hygiene and working

environment conditions and/or all other matters which may affect the performance of the Services. Any failure by the Service Provider to take into account any of the aforementioned matters shall not relieve or excuse the Service Provider from any of its responsibilities, liabilities or obligations hereunder or entitle the Service Provider to any extra payment.

- 5.6. The Service Provider may not subcontract any of its obligations under this Agreement without the prior written consent of the Company. The Service Provider shall not be relieved from any of its obligations or liabilities under the Agreement by virtue of any subcontract and the Service Provider shall be responsible for all Services, acts, defaults or omissions of its subcontractors (and its or their employees and consultants) as though they were the services, acts, defaults or omissions of the Service Provider.

- 5.7. In performing the Services, the Service Provider shall:

- (a) give preference to the purchase and use of goods manufactured, produced or supplied in India provided that such goods are available on terms equal or better than imported goods with respect to the timing of delivery, quality, quantity required, price and other terms;
- (b) subject to Clause 5.5, employ Indian subcontractors having the required skills or expertise to the maximum extent possible insofar as their services are available on comparable standards with those obtained elsewhere and at competitive prices and on competitive terms, provided that where no such subcontractors are available, preference shall be given to non-Indian subcontractors who utilise Indian goods to the maximum extent possible, subject to the proviso in Clause 5.6 (a) above; and
- (c) subject to Clause 5.5, co-operate with and assist Indian companies as subcontractors to enable them to develop skills and technology to service the petroleum industry.

- 5.8. The Service Provider shall maintain proper and accurate records in relation to the Services and shall provide copies of the same to the Company on request. The Company (or its appointed representative) shall have the right to audit the relevant books and accounts of the Service Provider in relation to any reimbursable charges paid for by the Company under this Agreement. Such audit right shall survive for a period of 2 (two) years following the expiry or termination of the Agreement. Any incorrect payments identified by such audit shall be adjusted between the Parties as appropriate.

6. INTELLECTUAL PROPOERTY RIGHTS

Notwithstanding anything to the contrary contained in this Agreement, it is hereby agreed between the Parties that any Intellectual Property Rights arising out of, from or in relation to this Agreement including those created during the course of performance of the Agreement, shall

belong to and vest in the Company and in this regard, the Service Provider hereby waives any right, title or interest in the same.

For the purposes of this clause Intellectual Property Rights includes but is not limited to all vested, contingent and future intellectual property rights including: (i) all inventions, compounds, compositions, substances, methods, processes, techniques, know-how, technology, data, information, discoveries, and materials including ideas, concepts, formulas, assays, practices, software, devices, procedures, designs, constructs, plans, applications, research, regulatory information, manufacturing process, scale-up and other technical data, reports, documentation and samples, including chemical, physical, analytical, safety, manufacturing and quality control data and information, as well as study designs and protocols; and any patents, trade secrets, confidential information, proprietary processes, or industrial rights directly or indirectly deriving therefrom; (ii) all trademarks, service marks, copyrights, designs, trade styles, logos, trade dress, and corporate names, including all goodwill associated therewith; and (iii) any work of authorship, regardless of copyrightability, all compilations and all copyrights and includes also includes any inventions, made, to be made, discovered, conceived or reduced to practice whether or not patentable.

7. THIRD PARTY CLAIMS AND LIMITATION OF LIABILITY

7.1. The Service Provider shall be liable for and shall defend, indemnify and hold the Company harmless from and against any and all claims, liabilities, costs, damages and expenses (including court costs and legal fees) in connection with:

- (a) any claim made by any third party (including, but not limited to, any claim made by any governmental or statutory authority) against the Company arising out of or in connection with the performance by the Service Provider of its obligations under this Agreement.
- (b) any infringement (whether actual or alleged) of any patent or other intellectual property right arising out of or in connection with the performance of this Agreement by the Service Provider.

6.2. Notwithstanding anything to the contrary in this Agreement, in no event shall either Party be liable to the other, whether arising under Agreement, tort (including negligence), strict liability or otherwise, for any indirect, consequential, special, punitive, exemplary or incidental loss or damages of any nature arising at any time from any cause whatsoever.

7. VARIATIONS

7.1. At any time during this Agreement, the Company may request the Service Provider to vary, amend or otherwise alter the Services (a "Variation Request").

7.2. Upon the receipt of a request from the Company pursuant to Clause 7.1, the Service Provider shall, within 7 days, notify the Company of the effect of the Variation Request on the Fees and/or other terms under this Agreement and/or the relevant Order.

7.3. If following receipt of the Service Provider's response pursuant to Clause 7.2, the Parties are in agreement on the Variation Request and the adjustments to be made to the Services under this Agreement and/or the relevant Purchase Order, the Parties shall execute a variation order (a "Variation Order") to reflect such agreement.

7.4. The Services shall not be varied, amended or otherwise altered and/or the Fees shall not be adjusted until such time as a Variation Order is executed by both Parties.

8. PAYMENT

8.1. In addition to any requirements set out in the relevant Purchase Order, if any, each invoice shall:

- (a) be in duplicate;
- (b) bear the Contract Number stated on the cover sheet to the Agreement;
- (c) state the name, e-mail address, mobile telephone number of the Company's Representative; and
- (d) be accompanied by supporting evidence and itemised in accordance with the Company's requirements.

Invoices to the Company shall be sent to the address set out in the Agreement. Service Provider must ensure that all invoices for services performed or goods delivered are submitted to the Company within 90 days.

Specifically, the Service Provider shall submit the following information/ documents to the Company unless specifically exempted by the Company representative in writing:

- (i) Latest tax residency certificate of the Service Provider as issued by the tax / revenue authorities of Service Provider's country of residence, stating specifically that the Service Provider is tax resident of country as mentioned in such tax residence certificate.
- (ii) Copy of the Permanent Account Number ('PAN') card issued by the Indian Tax authorities,
- (iii) Copy of registration certificates under applicable Indian tax/other laws including but not limited to GST, Excise, import export code etc., as applicable.
- (iv) Copy of the withholding tax certificate issued by Indian tax authorities, enabling the Company to make payments to the Service Provider after deduction of such taxes as per prescribed rate in the withholding tax certificate.

- 8.2. The Company shall make payment of a correct invoice within 45 days of receipt to the Service Provider's nominated bank account. Any invoice not complying with the provisions of this Agreement will be returned by the Company and the Service Provider shall submit a rectifying invoice.
- 8.3. The Company may dispute any amount on an invoice and withhold the disputed amount provided that:
- (a) the Company makes payment of any undisputed portion of the invoice and notifies the Service Provider of the disputed amount within 45 days of receipt of the relevant invoice;
 - (b) if the dispute is resolved in favour of the Service Provider, the Company shall pay the disputed amount within fifteen (15) days of the date of the resolution of the dispute or forty-five (45) days of receipt of the invoice, whichever is later.
- If the dispute is resolved in favour of the Company, the Service Provider shall forthwith issue a credit note for the disputed amount.
- 8.4. The Company shall be entitled to set-off / adjust / deduct from any invoice under this Agreement, any payment due from the Service Provider to the Company or any of its Affiliates.
- 9. TAXES**
- 9.1. Definitions**
- For the purposes of this Clause 9 (Taxation):
- (a) "Tax" or "Taxes" means taxes, levies, duties, fees, charges and contributions as amended from time to time and any interest or penalties thereon;
 - (b) "Government Authority" or "Government Authorities" means any local or national government or authority of any country, competent to levy any Tax;
 - (c) "Goods & Services Tax" or "GST" shall include Central Goods & Service Tax ("CGST"), State Goods & Service Tax ("SGST"), Integrated Goods & Service Tax ("IGST"), Union Territory Goods & Service Tax ("UTGST") & GST Compensation Cess.
- 9.2. Person Responsible for payment of Taxes**
- 9.2.1. General**
- Except as may be expressly set out in this Contract, the Service Provider shall be responsible for:
- (a) the payment of all Taxes now or hereafter levied or imposed on the Service Provider or its subcontractors or on the personnel of the Service Provider or its subcontractors by any Government Authority in respect of any wages, salaries and other remuneration paid directly or indirectly to persons engaged or employed by the Service Provider or its subcontractors (hereinafter referred to as "Personal Income tax");
 - (b) the payment of all Taxes now or hereafter levied or imposed by any Government Authority on the actual/assumed profits and gains made by the Service Provider or its subcontractors (hereinafter referred to as "Corporate Income tax");
 - (c) the payment of all GST now or hereafter levied or imposed by any Government Authority on the supply of goods or services, if any, provided to the Company by the Service Provider or its subcontractors;
 - (d) the payment of all Taxes now or hereafter levied or imposed by any Government Authority on the mentioned goods only, namely, petroleum crude, HSD, Petrol, Natural Gas & ATF, if any, sold to the Company by the Service Provider or its subcontractors (hereinafter referred to as "Sales tax/VAT/CST");
 - (e) the payment of all Taxes now or hereafter levied or imposed by any Government Authority on the mentioned goods only, namely, petroleum crude, HSD, Petrol, Natural Gas & ATF, if any, manufactured by the Service Provider or its subcontractors for sale to the Company (hereinafter referred to as "Excise Duty"); and
 - (f) the payment of any other Taxes now or hereafter levied or imposed by any Government Authority on the Service Provider or its subcontractors as a result of the performance of this Agreement.
- 9.2.2. Exception to General:**
- Prior to commencing the Services, the Service Provider shall notify the Company whether or not it has Fixed Establishment in India. If the Service Provider notifies the Company that it does not have Fixed Establishment in India, then, any Indian GST chargeable on the services provided by the Service Provider under this Agreement shall be paid by the Company directly to the relevant Government Authority.
- 9.2.3. Reimbursement of Taxes to the Service Provider**
- It is acknowledged that responsibility for payment of Taxes to the Government Authority will be governed as per clause 9.2.1 and 9.2.2, the Service Provider will be reimbursed only for such Taxes which will be agreed to be reimbursed in the Compensation Schedule or any of the Purchase Order(s) issued under the Agreement.
- 9.2.4. Pricing**
- The Parties agree that details of Taxes included in, or excluded from, the Service Provider's prices and/or rates shall be as stated in the Compensation Schedule to the Agreement and nothing in this Clause 9 shall be construed to affect or prejudice such details as stated in the Compensation Schedule.
- 9.3. Withholding taxes and Withholding certificates**

- 9.3.1.** The Company shall, at the time of its payments due to the Service Provider, withhold the necessary taxes at such rate as is required by any Government Authority, unless and to the extent that the Service Provider shall produce to the Company any certificate issued by a Government Authority (having authority to issue such certificate) entitling the Service Provider to receive the payments under the Agreement for a prescribed period without deduction of any tax or deduction at a lower rate.

- 9.3.2.** The Company shall provide the necessary withholding tax certificates to the Service Provider within the time stipulated by the relevant law to enable the Service Provider to file the same with the Government Authority as a proof of payment of such taxes.

9.4. Person Responsible for filing of returns / information to Government Authorities

- 9.4.1.** The Service Provider shall be responsible for filing all necessary Tax returns (including, without limitation, returns for Corporate Income tax, Personal Income tax, GST, Sales tax and Excise Duty) with the relevant Government Authorities in accordance with all applicable statutory requirements and shall be responsible for providing all information requested by such Government Authorities.

- 9.4.2.** The Service Provider shall also ensure that its subcontractors file such returns as stipulated by the relevant Government Authorities and furnish such information as requested for by the relevant Government Authorities.

- 9.4.3.** The Company, with respect to the tax withheld from the Service Provider in accordance with Clause 9.3 (Withholding Tax and Withholding Tax Certificates), shall be responsible for filing the withholding tax returns with the relevant Government Authorities in accordance with applicable statutory requirements.

9.5. Company's rights, if treated as representative assessee by Government Authorities

In certain situations, a Government Authority may treat the Company as the representative assessee of the Service Provider and/or its subcontractors and recover the Taxes due to the Government Authority by the Service Provider or its subcontractors from the Company. In such situations, the Company shall have the following rights:

- (a) The Company shall be entitled to recover from the Service Provider, the Taxes paid on behalf of the Service Provider or its subcontractors (together with any costs and expenses incurred by the Company in connection therewith) or to retain the same out of any amounts to be paid to the Service Provider or its subcontractors that may be in its possession (whether due under this Agreement or otherwise) and shall pay only the balance, if any, to the Service Provider; and
- (b) If the Company is required to furnish any details or documents in such capacity, the Company shall request the details or

documents to be furnished to it by the Service Provider and the Service Provider shall immediately furnish the same to the Company. If the Service Provider fails to comply with the foregoing, any penalty/interest levied on the Company for non-filing or late filing of details or documents in this regard shall be recoverable from the Service Provider.

9.6. Indemnity

The Service Provider shall defend, indemnify and hold the Company Group harmless from and against any and all claims, liabilities, costs, damages and expenses (including court costs and legal fees) in connection with any Taxes which may be levied or imposed on the Service Provider or its subcontractors by any Government Authority arising out of or in connection with the performance of this Agreement.

9.7. Changes in Law

If, after the date of execution of this Agreement, there is any change in law which results in a change in the rate of any Tax included in the Service Provider's prices or rates or the introduction of a new Tax and such change results in an increase or decrease in the cost to the Service Provider of performing this Agreement then the Parties shall agree to a revision in pricing to reflect such change provided that:

- (a) the Party requesting such revision shall promptly (and in any case prior to submission of the Service Provider's final invoice under this Agreement) notify the other Party that such change in law has arisen; and
- (b) the Party requesting such revision shall provide the other Party with documentary proof of such change in cost to the reasonable satisfaction of the other Party; and
- (c) the provisions of this Clause 9.7 shall not apply to changes in Personal Income tax or Corporate Income tax or to changes in non-Indian Taxes.

9.8. GST Compliances by Service Provider

- 9.8.1.** Notwithstanding anything contained hereinabove, the Service Provider shall strictly and in a timely manner, adhere to and undertake all acts, omissions and compliances required under the applicable GST laws to ensure that the Company is able to avail the Input Tax Credit/set off/rebate/refund of the GST (along with cesses and surcharges, if relevant) as applicable on the Services or any supplies if applicable made by the Service Provider under this Agreement to the fullest extent possible under law. In this regard, without limiting the generality of the foregoing obligation in any manner whatsoever, Company reserves the right to specify to the Service Provider, particulars including but not limited to the following:

- (a) whether Service Provider should charge IGST or CGST-plus-SGST;
- (b) GST registration number of the Company;
- (c) whether the Service Provider should be responsible to generate the E-Way Bill;
- (d) the format of invoices/credit and debit notes/advance receipt vouchers;

- (e) the requirement for maintenance of a 'GST compliance rating score' above a specified threshold; etc. and
 - (f) the relevant timelines for such compliances based on the applicable GST laws.
- 9.8.2. The Service Provider acknowledges that any failure in the foregoing obligations (including undertaking the ones specifically instructed by the Company, if any) can cause significant losses to the Company in the form of loss of GST credit, statutory interest liability on such credit loss (under applicable GST laws) and adverse impact on the 'GST compliance rating score' and thus, undertakes to carry out this foregoing obligation with sincerity, due diligence and without any delay or demur.
- 9.8.3. The Parties agree that the Company reserves the right to reimburse the GST component on supplies received only when the corresponding credit has become available in the electronic credit ledger of the relevant GST registration of Company.
- 9.8.4. Without prejudice to any other indemnification obligation under this Agreement, the Service Provider agrees to, at all times, to hold harmless and indemnify Company from and against all claims, liabilities, expenses, proceedings, costs and losses that may be suffered or incurred by Company which may arise out of or in connection with any failure by the Service Provider to adhere to its obligations including but not limited to its obligations under clause 9.9.1 above. In this regard, the Service Provider also hereby indemnifies Company from any costs, claim or liability arising out of any claim or action or omission by any employee or consultant or agent or outsourced staff or subcontractor of the Service Provider.

9.9 PAYMENT OF ROYALTY ON MINERALS

The Contractor / Service Provider will purchase the material used for execution of contract, from the Government authorized parties only. It shall be the sole liability of the contractor to pay all royalties due, as per the applicable Rules and regulations, as amended and notified from time to time by the Appropriate Government, in respect of the minerals / materials which are being bought and used for the purposes of execution of this contract. The contractor shall produce royalty clearance certificate from the Competent Authority as proof of payment of royalty. In no event shall any liability in this regard be put on the company. Any default with respect to payment of royalty or non-production of royalty clearance certificate on the part of the service provider/contractor would count as a breach of the terms and conditions in the contract and the company shall have the right to immediately terminate the contract and to recover the outstanding amount of the royalty along with interest from Service Provider / contractor.

10. TERMINATION

- 10.1. Either Party may, at any time and without cause, terminate all or part of this Agreement by giving no less than [30] days' prior written notice to the other Party. Provided that, if any Services under this Agreement, or any Purchase Order issued hereunder, have already been initiated and the work is in progress, then the Company shall have the right to cancel/ terminate all or any part of the Service under the Agreement or the relevant Purchase Order without cause and with immediate effect.

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10.2. In addition, the Company may terminate all or part of this Agreement with immediate effect by written notice to the Service Provider if one of the following circumstances occurs:

- (a) if the Service Provider breaches any provision of this Agreement, provided that where remediable, the Company has notified the Service Provider of such breach and the Service Provider has upon receipt of such notice, failed to immediately and thereafter continuously proceed to remedy such breach to the Company's reasonable satisfaction; or
- (b) if the Service Provider becomes insolvent or bankrupt or makes a composition or arrangements with its creditors; or
- (c) if the Service Provider is wound up or a resolution for its winding up is made (other than for the purposes of an amalgamation or reconstruction whilst solvent); or
- (d) if the Service Provider has a liquidator, provisional liquidator, receiver, administrator or an administrative receiver or manager of its business or undertaking appointed; or
- (e) if the force majeure under Clause 14 continues for more than thirty (30) days.

10.3. In the event of cancellation/ termination of all or part of this Agreement for any reason, the Company's sole liability to the Service Provider in respect of such cancellation/ termination shall be to make payment of the Fees properly due under this Agreement up to the date of termination.

10.4. The expiry or termination of this Agreement shall be without prejudice to the rights and obligations of the Parties up to and including the date of expiry or termination and shall not affect or prejudice any term of this Agreement that is expressly or by implication provided to come into effect on, or continue in force after, such expiry or termination.

11. CONFIDENTIALITY

11.1. The Company and the Service Provider shall keep any information which either Party learns about or receives from the other pursuant to this Agreement in strict confidence and will not disclose the same to any third party without the prior written consent of the other Party. The foregoing restriction shall not apply in respect of information which the Company requires to disclose for the purpose of performing Services or which was in the possession of the disclosing party prior to this Agreement or which is required to be disclosed by any law, rule or regulation of any governmental agency or court order or information which was already within the public domain or which was developed by either Party, independently of and without reference to the Confidential Information and the receiving party has evidence of such independent development. The provisions of this Clause shall survive the expiry or termination of the Agreement for a period of 3 years.

11.2. The Service Provider shall not disclose such Information(s) to any potential subcontractors until such time and in manner agreed by Company in writing. The decision of the Company will be final and binding on the Service Provider in this regard.

11.3. The Service Provider shall use best endeavours to prevent the authorised disclosure of the all information hereunder. Where any information is required to be disclosed under Clause 11.1, the Service Provider shall give prompt notice to the Company and shall use its best commercial endeavours to limit the extent of any such disclosure.

12. NOTICES

12.1. Any notice or other communication required or given under this Agreement shall be delivered in writing either by hand or by courier, registered mail with acknowledgment due, or fax to the address of the relevant Party set out in the Agreement (or such other address as may be notified by the relevant Party from time to time).

12.2. If a notice is delivered by hand or courier during normal business hours of the intended recipient it shall be deemed to have been received at the time of delivery otherwise on the next business day of the recipient. A notice sent by facsimile shall be deemed to have been received at the time when the sender's facsimile machine acknowledges transmission provided however that if the time of acknowledgement of transmission is after 5.00pm on a business day of the recipient it shall be deemed to have been received on the next business day of the recipient.

12.3. All notices or other communications between the Parties shall be in the English language.

13. GENERAL LEGAL PROVISIONS

13.1. The Company shall be entitled to assign this Agreement to an affiliate/subsidiary or on giving written notice to the Service Provider. Save as aforesaid, the Service Provider shall not be entitled to assign this Agreement or any part or any benefit or interest in or under it without the prior written approval of the Company which the Company may at its sole discretion accept or refuse.

13.2. This Agreement shall not be amended or modified except by mutual agreement in writing between the Parties.

13.3. This Agreement and the all Schedules and Attachments annexed hereto contains the whole agreement between the Parties relating to the subject matter of this Agreement, and supersedes any previous understandings, commitments, agreements or representations in respect of the subject matter. No terms or conditions endorsed upon, delivered or contained in Service Provider's quotation, acknowledgement or acceptance of the Agreement, specification or similar document will form part of the Agreement and Service Provider waives any right it otherwise might have to rely on such terms and conditions. No variation to any terms or conditions of this Agreement shall be

valid unless expressly agreed in writing by both parties.

13.4. No delay or failure on the part of either Party to enforce from time to time all or any part of the terms and conditions of this Agreement shall be interpreted as a waiver of such terms and conditions.

13.5. Nothing in this Agreement shall, or shall be deemed to, create an agency, a partnership or a relationship of employer and employee between the Parties. For the avoidance of doubt, nothing in this Agreement shall prevent or restrict the Company from entering into parallel Agreements with other parties for services similar or related to the Services.

13.6. Unless otherwise specifically stated, both the Company and the Service Provider shall retain all rights and remedies, both under the Agreement and at law, which either may have against the other.

13.7. Each Party represents and warrants to the other that (i) it has been duly registered and organised and is a validly existing legal entity under the laws of the jurisdiction of its incorporation and that it has full power, authority and capacity to enter into and to carry out its obligations under the Agreement and (ii) by performing the Services it will not be in breach of any other Agreement, agreement, license or permit or in violation of any law and (iii) it shall at all times act in accordance with applicable laws and regulations.

13.8. The Service Provider shall comply with all safety instructions of the Company consistent with the provisions of the Agreement including, without limitation, the safety instructions of any of the Company's other Service Providers. Such instructions shall, if the Service Provider so requires, be confirmed in writing by the Company's Representative, so far as practicable.

13.9. The Service Provider shall not be entitled, without the written consent of Company, to make any news release or public announcement concerning the subject matter of the Agreement or to refer to the Company, use its name or logo, in print or electronic forms for marketing or reference purposes.]

13.10. If any provision of this Agreement is prohibited, invalid or unenforceable in any jurisdiction, that provision will, as to that jurisdiction, be ineffective to the extent of the prohibition, invalidity or unenforceability without invalidating the remaining provisions of this Agreement or affecting the validity or enforceability of that provision in any other jurisdiction, unless it materially alters the nature or material terms of this Agreement.

13.11. The provisions of this Agreement are solely for the benefit of the Parties. No other person are intended to have, nor will have, any rights whatsoever, under this Agreement, whether for injury, loss or damage to person(s) or property or for economic loss.

13.12. This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original copy of this Agreement and all of which,

when taken together, will constitute one and the same instrument.

14. FORCE MAJEURE

14.1. Neither the Company nor the Service Provider shall be responsible for any failure to fulfil any term or condition of the Agreement if and to the extent that fulfilment has been delayed or temporarily prevented by a force majeure occurrence such as any (a) Act of God, (b) fire, flood, earthquake, (c) war, riot, insurrection and civil commotion, mobilization or military, call up of a comparable scope, which has been notified in accordance with this Clause 14 and which is beyond the reasonable commercial control and without the fault or negligence of the party affected and which, by the exercise of reasonable diligence, the said party is unable to provide against. For the avoidance of doubt, any strikes caused by the Service Provider (which includes its subcontractors) shall not be considered as a force majeure occurrence.

14.2. In the event of a force majeure occurrence, the party that is or may be delayed in performing the Agreement shall notify the other party without delay giving the full particulars thereof and shall use reasonable endeavours to remedy the situation without delay.

14.3. Save as otherwise expressly provided in the Agreement, no payments of whatever nature shall be made in respect of any period where Services are not carried out as a result of a force majeure occurrence.

14.4. Following notification of a force majeure occurrence in accordance with Clause 14.2, the Parties shall meet without delay with a view to agreeing a mutually acceptable course of action to minimise any effects of such occurrence.

15. BUSINESS ETHICS

15.1. The Service Provider shall declare any conflicts of interest with the Company including relationship or financial interest of any nature whatsoever with employees, managers, other suppliers, vendors or stakeholders of the Company.

15.2. The Service Provider shall not use the services of any of the employees of the Company, directly or indirectly or enter into any sort of monetary transaction with the employees of the Company. The Service Provider undertakes that he has not given, offered or promised to give directly or indirectly any bribes, commission, gift, consideration, reward, or inducement to any of the employees of the Company or their agent or relatives for showing or agreeing to show favor or disfavor to any person in relation to this Agreement or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the aforesaid undertaking, by the Service Provider, or his partners, agent or servant or any one authorized by him or acting on his behalf.

15.3. The Service Provider agrees to comply with the provisions of the Company's Supplier Code of

Conduct which includes Anti-bribery and Corruption requirements (a copy of which is also available at https://www.vedantalimited.com/CorporateGovernance/supplier_code_of_conduct_-_december_2016.pdf) and the Company's Human Rights Policy (a copy of which is available at https://www.vedantalimited.com/CorporateGovernance/vedanta_human_rights_policy.pdf) including the Modern Slavery Act 2015 and in case of breach thereof, the same shall be treated as a breach of this Agreement.

OR

15.3 The Service Provider agrees to comply with the provisions of the Company's Supplier Code of Conduct which includes Anti-Bribery and Corruption requirements (a copy of which is also available at https://www.vedantalimited.com/CorporateGovernance/supplier_code_of_conduct_-_december_2016.pdf) and the Company's Human Rights Policy (a copy of which is available at https://www.vedantalimited.com/CorporateGovernance/vedanta_human_rights_policy.pdf) including the Modern Slavery Act and in case of breach thereof, the same shall be treated as a breach of this Agreement.

The Service Provider acknowledges and agrees that the Company is subject to the Modern Slavery Act 2015. In performing its obligations under the Agreement, the Service Provider represents and warrants that neither the Service Provider nor any of its employees performing the Services:

- (a) have been convicted of any offence involving slavery and human trafficking;
- (b) have been or are the subject of any investigation, inquiry or enforcement proceedings by any governmental, administrative or regulatory body regarding any offence or alleged offence of or in connection with slavery and human trafficking;
- (c) shall indulge in performance of any activity of slavery of human trafficking;

During the course of this Agreement, the Service Provider shall promptly notify the Company as soon as it becomes aware of:

- i. an act which may lead to the Company being in any breach, or potential breach, of the Modern Slavery Act 2015; or
- ii. any actual or suspected act of slavery or human trafficking in connection with this Agreement.

15.4. The Service Provider shall maintain records and provide to the Company upon request such records and evidences, as the Company may reasonably require, confirming the Service Provider's compliance with the obligations under this clause.

15.5. The Company shall have a right to initiate "audit proceedings" against the Service Provider to verify compliance with the requirements under this clause. Such audit may be carried out by Company or by a reputed agency to be appointed by Company at the sole discretion of Company. The Service Provider shall extend full cooperation for smooth completion of the audit mentioned herein.

15.6. Notwithstanding anything in this agreement, Company shall have right to terminate the Agreement forthwith and recover from the Service Provider, the amount of any loss arising from such termination in case, it is found that the Service Provider has failed to comply with requirements under this clause including any corrupt practices. A decision of the Company or his nominee to this effect that a breach of the undertaking had been committed shall be final and binding on the Service Provider.

15.7. If at any time during execution or performance of this Agreement the Service Provider becomes aware of any unethical practices or is faced with any undue demand, request for gratification or favor from any employee of the Company or a person connection with such employee, the Service Provider must report the same immediately to the Group Head-Management Assurance at the following address:

Group Head – Management Assurance,
Vedanta, 75 Nehru Road
Vile Parle (E), Mumbai 400 099
'Complaints' can also be sent to the designated e-mail id: Balco.whistleblower@vedanta.co.in

16. GOVERNING LAW AND DISPUTE RESOLUTION

16.1. This Agreement shall be governed by, construed and enforced in accordance with the laws of India.

16.2. Any dispute or difference whatsoever arising between the parties out of or relating to the interpretation, meaning, scope, operation or effect of this Agreement or the existence, validity, breach or anticipated breach thereof or determination and enforcement of respective rights, obligations and liabilities of the parties thereto shall be amicably settled by way of mediation. If the dispute is not conclusively settled within a period of twenty-one (21) days from the date of commencement of mediation or such further period as the parties shall agree in writing, the dispute shall be referred to and finally resolved by arbitration under the Arbitration and Conciliation Act, 1996 (as amended from time to time), which are deemed to be incorporated by reference into this clause. The arbitration shall be conducted as follows:

(i) A sole arbitrator shall be appointed in case the value of claim under dispute is less than ₹ 50,00,000 (Rupees Five Million Only) and in any other event by a forum of three arbitrators with one arbitrator nominated by each Party and the presiding arbitrator selected by the nominated arbitrators.

(ii) The language of the mediation and arbitration proceedings shall be English. The seat of arbitration

shall be Korba, Chhattisgarh, India and the venue shall be Korba, Chhattisgarh, India.

(iii) The award made in pursuance thereof shall be final and binding on the parties. The right to arbitrate Disputes under this Agreement shall survive the expiry or termination of the Agreement.

OTHER TERMS AND CONDITIONS

17. STATUTORY COMPLIANCES & CLEARANCES

a) The Service Provider shall be solely liable for Statutory Compliance in respect of all applicable laws of land existing as on the date of the Agreement as well as those notified by the Central/ State Government from time to time including but not limited to compliance of provisions of Contract Labour (Regulation and Abolition) Act, 1970, Employees State Insurance Act, 1948, Employees Provident Funds and Miscellaneous Provisions Act, 1952, Minimum Wages Act, 1948, Payment of Bonus Act, 1965, Payment of Gratuity Act, 1972, Payment of Wages Act, 1936, Employees Compensation Act, 1923, Interstate Migrant Workmen (regulation of Employment and Conditions of Service) Act, 1979 etc. in respect of all employees employed by the Service Provider, directly or indirectly or through any sub-contractor. The Service Provider shall be solely responsible for maintenance of records and filing of various forms/ returns prescribed under all applicable Central/State Labour laws and Regulations/Rules made thereunder in respect of Workmen employed or engaged by it.

b) The Company shall be entitled to deduct/adjust from amount payable to the Service Provider, any dues, wages, compensation on accident or death, expenses incurred for benefits, provision for amenities and amounts paid or payable by the Company in compliance with the applicable laws, in respect of workmen/employees of the Service Provider.

c) The Service Provider shall ensure compliance under the Safety Provisions of the applicable State/ Central laws and shall ensure that its employees are trained, competent, physically and mentally fit for the assignment and are not suffering from any chronic or contagious disease.

The Service Provider is responsible for the safety and security of all men and materials employed by him. The Service Provider shall provide all safety equipment (such as tools & tackles, aprons, gloves, safety shoes etc.) to all Service Provider team members. The Service Provider shall provide adequate coverage against any accident met by the Service Provider's team during the period of the Agreement. The Service Provider shall indemnify the Company and its officers against any claim, dispute and litigations arising in this regard. Further no separate consideration shall be payable by the Company for the same.

The Service Provider shall take all the required clearances under the applicable laws which includes but is not limited to Environment Protection Act, CG Land Revenue Code, CG Municipal Corporation Act etc. for successful discharge of all its obligations under the scope of work.

18. SUSPENSION

No compensation for alteration of schedule or suspension of work: If at any time after the award of the Agreement, the Company shall for any reason whatsoever not require the whole work done or part thereof as specified in the acceptance of the contract, the Company shall give notice in writing of the same to the Service Provider and the Service Provider shall not be entitled to any compensation and / or damage of any kind whatsoever, nor the contractor will be entitled to any claim for compensation for re-scheduling of the delivery period.

19. RELATIONSHIP BETWEEN THE SERVICE PROVIDER AND THE COMPANY

Personnel engaged/employed by the Service Provider shall be deemed employees of the Service Provider and will not for any purpose be considered employees or agents of the Company. Except as may otherwise be provided in this Agreement, each Party shall be solely responsible for the supervision, daily direction, and control of its employees and payment of their salaries/wages, benefits, provision for amenities, compensation, disability benefits and the like.

20. SERVICE PROVIDER'S OBLIGATIONS/LIABILITIES

- a) The sole responsibility of the performance of the sub-contractor rests with the Service Provider and the Service Provider shall be liable for any work done by its sub-contractor, agents, employees or officials. However, the Company reserves the right to claim damages and enforce rights on the sub- contractor solely or jointly with the Service Provider but such enforcement will not absolve the Service Provider from any liability.
- b) The Service Provider shall advise the Company regarding, compliances, if any to be made by the Company.
- c) The Company shall, without prejudice to its other rights be entitled to deduct/ adjust from any dues payable to the Service Provider or any security, all amount(s) which the Company may be liable to pay, incur or sustain as a result of the performance or non-performance, observance or non-observance of any of the terms of this Agreement by the Service Provider.

21. SERVICE PROVIDERS'S WARRANTIES & REPRESENTATIONS

The Service Provider hereby, warrants and represents that:

- a) The Services under this Agreement shall be strictly in accordance with the agreed terms.
- b) The Services to be provided under this Agreement shall not infringe any third party intellectual property rights.
- c) The Service Provider hereby represents to the Company that, as of the date of signing of the Agreement, the Service Provider has received no notification of any rightful patent infringement claim which would prejudice the Company's right to use or maintain the Plant.

22. PENALTY FOR VIOLATION OF SAFETY MEASURES

In case of any violation of safety measures and or on non-compliance of safety PPE by the Service Provider or its employee(s), the Company may penalise the Service Provider as follows:

Rs 500/- First time

Rs 1000/- Second time onwards

If the Service Provider continues failing to provide the safety &/or PPE, the Company reserves its right to terminate the Agreement.

At any point of time, the safety compliance will be checked by the Company's Safety Department or Execution Department. The Service Provider shall immediately upon knowing of any accident, damage or losses, in which it is involved on the site, inform the area-in-charge.

The Service Provider shall take all safety precautions and provide adequate supervision by competent persons in order to do the job safely and without damage to plant, personnel, equipment, and the environment.

23. DISCIPLINE AT WORK AREA

The Service Provider shall maintain discipline at work area. It shall keep the area neat and clean after the work is over. All the spares, waste material like oil grease etc. shall be kept at the designated area and the work place shall be cleaned after the job is over.

In case, maintenance activities are found to be suffering due to non-performance by Service Provider's employees or job negligence, suitable punitive action shall be taken by the Company for the same.

24. EMERGENCY

The Service Provider shall ensure that its workers follow the following instructions:

1. Contact fire control room on telephone No. 5333, 5219,5393,2333,242033 and inform name, location and brief of the emergency. If telephone is not available, break the glass of nearest manual call point of fire alarm or use the nearby portable fire extinguisher if you know the operation of the extinguisher.

2. Rush to the location of Emergency and assess the situation. Combat the Emergency with the help of the available people using fire hydrant and fire extinguisher.

3. Rush to nearby assembly point [displayed in the department] in case of an extreme emergency.

4. As soon as any Emergency call occurs, the Fire control room operator will immediately ask the Turn out no.1 available at Fire Station plant-I to rush at the emergency spot.

5. He will simultaneously inform to Main Security Gate of respective plants.

25. OCCUPATIONAL HEALTH & SAFETY (OH & S):

The Service Provider shall be responsible to take all precautions to ensure safety of the labours / workers at work. The Service Provider will supply its labours / workers safety equipment as per the rules. If the Service Provider brings its own equipment to carryout the job inside the plant, such equipment shall be subject to hazard identifications and risk assessment prior to commencing of the work.

The persons engaged by the Service Provider shall be given appropriate awareness on OH&S. Those personnel who will carry out jobs affecting OH&S shall be properly trained and made competent for the job performed by them. During emergency situations in the plant, the Service Provider's personnel shall move to the emergency shelters and shall not spread any rumour. An OH&S booklet is available in Safety Department and is required to be signed by the Service Provider agreeing to comply with the same.

26. DAMAGE TO COMPANY'S PROPERTY:

Any loss / damage to the Company due to negligence or wilful attitude of the Service Provider or its employees while execution of the Agreement shall be recovered from the Service Provider's pending bills.

27. VEDANTA SUSTAINABILITY CLAUSES

27.1 HEALTH, SAFETY AND ENVIRONMENT (HSE) SYSTEMS

Designation of Supervisor: The Service Provider shall specify one of its employee as the Site HSE Supervisor who shall be responsible for attending HSE matters at all levels at the site of work, including emergency response.

Attendance of Service Provider: The Service Provider shall ensure that its site HSE supervisor is present at the place of work and performs supervisory functions at all times whenever four or more workers of the Service Provider or its sub-Service Providers are present at the place of work.

Statutory Compliance: Service Provider shall identify, document and comply with all pertinent Health, Safety and Environment (HSE) laws and regulations, approvals, licenses and permits which

are applicable to the services and conduct of activities.

Service Provider shall conduct internal inspections and record to ensure full implementation of requirements and compliance with the system at the site. Service Provider shall provide documentary evidence that it has complied with the system, on the Company's demand.

Service Provider Site Management Plan: The Service Provider shall comply with its submitted plan in the bid document on how to manage and improve the work site.

27.2 HAZARD AND RISK ASSESSMENT

Pre and post Job Safety assessments: The Service Provider shall be responsible and accountable for ensuring effective procedures and assessment systems are in place to meet all HSE conditions.

Prior to the commencement of any operation/activity, the Service Provider must undertake a hazard and risk assessment, such as a job safety analysis or job risk analysis including control and mitigation process. The risk assessment shall cover the following aspects of workplace:

1. General Safety and Environmental Management Procedures
2. Waste Disposal
3. Equipment Decommissioning
4. Water Discharges
5. Material Storage/Spills
6. Storm Water Management
7. Use of Asbestos, Lead, CFCs and other objectionable chemicals.
8. Hot working, gas welding, etc.
9. All electrical works
10. Work at heights including scaffolding
11. Demolition
12. Construction work of any kind
13. Transport management
14. Tank cleaning or testing
15. Confined space, etc.

27.3 AWARENESS, COMPETENCY AND BEHAVIOUR

Awareness: Before commencement of any Services, the Service Provider shall, at its own expense, ensure that its personnel have been given necessary HSE training including training in hazard identification, risk analysis, safe working behaviour etc. The HSE training shall include a briefing explaining the nature of the part of the Services they will be performing, a job safety analysis and description of the hazards, which may be encountered during the performance of the particular tasks, which they are required to perform. During such training, the Service Provider shall emphasize the fact that each person has an obligation to stop an act or task if it is unsafe. The Service Provider shall ensure that its personnel attend refresher courses to maintain familiarity with current procedures. The Service Provider shall provide evidence of completion of all training and competency assessments upon request by the Company.

All Service Providers' personnel arriving on the site shall attend the Service Provider's or Company's HSE inductions including a review of the site's safety procedures including Permit to Work and evacuation.

The Service Provider shall ensure safety meeting schedule, including but not limited to pre shift safety meetings, safety toolbox meeting, safety committee meetings and management review meetings.

Competency: The Service Provider shall ensure that all of its supervisory personnel performing work possess any specific competencies or qualifications, experience, responsibility and authorities required by applicable occupational health and safety laws, and shall provide proof of same satisfactory to company upon request.

Behaviour: The Service Provider shall provide adequate guidance so that the Service Provider's personnel work to reduce workplace incidents and improve safe performance at all times. The Service Provider shall ensure that its staff conducts in a fit and proper manner whilst on site. Failure to do so may result in the removal or exclusion of such personnel from the site.

27.4 CHANGE IN MANAGEMENT

If there is a change in the site supervisor and Service Provider management personnel, it shall be notified to the designated Service Provider manager as a part of Management of Change (MOC) process. This also includes reassessment of hazards and risk where the changes occur to the work scope, plant and equipment and the working environments.

27.5 INCIDENT REPORTING

Reporting: Any accident, injury, near misses, fire, explosion, spill of chemicals, environment degradation etc. involving the Company or Service Provider's personnel, property or any third party property shall be reported immediately to the Company, irrespective of whether injury to a person or damage to property or equipment resulted.

Access to site: If the Company exercises its right to conduct its own investigation, the Service Provider shall provide the Company with all reasonable assistance to allow and to complete the investigation.

Learnings: The Service Provider shall implement the learnings from incident to prevent a recurrence. The Service Provider must share the lessons learnt with its personnel.

27.6 SAFETY INTERACTION

The Service Provider must conduct regular safety interactions of its personnel in accordance with

the Company's safety interaction process. The number and frequency of safety interactions to be performed will be at the discretion of the Company Representative. Quality assessments of the safety interactions will be undertaken by the Company's HSE Personnel.

The Service Provider must conduct investigations into incidents, accidents and injuries by its Personnel or involving its equipment and property in accordance with the Company's incident investigation process. Action items must be created to prevent recurrence and be closed out before due dates.

27.7 EMERGENCY DRILLS

The Service Provider shall participate in emergency response drills to test the effectiveness of its emergency procedures and equipment and the knowledge and proficiency of Service Provider's personnel.

The Service Provider shall provide its emergency response plan (ERP) which must be adaptable to suit the site.

27.8 CARDINAL RULE

The Service Provider shall ensure that all Service Providers' personnel follow the following safety cardinal rules:

"Do not override or interfere with any Safety Provision nor let anyone else override or interfere regardless of seniority."

"Personal Protective Equipment (PPEs) applicable to the given task must be adhered to."

"Always follow isolation and lock out procedure"

"No person will be allowed to work if under the influence of alcohol or drugs."

"Report all injuries and illness."

"On violation of cardinal rules, yellow card will be issued by the Service Provider to the concerned personnel and disciplinary action will be taken by the Service Provider which may result in suspension of personnel also."

"Always follow SOP while working."

"Always report any unsafe act/condition or any near miss incidents."

"Carry out all activities with a valid work permit."

"Always wear proper PPEs while working." "Always drive within speed of 30 KMPH."

"Always wear crash helmet (two wheelers) & safety belt (four wheelers) while driving."

"Don't smoke in plant premises."

"Never work under the influence of alcohol or drugs."

"Never park any vehicle in the no parking areas." "Never sleep while on duty."

27.9 PERSONAL PROTECTIVE EQUIPMENT

The Service Provider shall, at its own expense, supply its personnel, where required, in connection with the safe performance of the Services, adequate protective clothing and other protective equipment including first aid which shall be maintained in good condition or replaced, and shall be worn at all times where required to manage potential injury hazards associated with a work activity under this Agreement.

The Service Provider shall ensure that its personnel have been trained in the correct use and application of PPE. All such training shall be documented and available to the Company on request.

27.10 EQUIPMENT, TOOLS, TACKLES AND RESOURCES

The Service Provider shall ensure that all plant, tools and equipment used by the Service Provider's personnel in the performance of the Services are suitable for use in the particular task or tasks for which they are to be used, are maintained in safe and operable condition and that users of the plant, tools and equipment are trained, experienced and where necessary, licensed and certified to operate them.

The Service Provider shall maintain a register of all lifting equipment and tackle. The Service Provider shall, upon request, provide certification of inspection within the previous twelve months for all cranes and lifting slings and tackle before the equipment is used for the work, and/or shall carry out such tests and inspections as are requested by applicable regulatory authorities. Safe Working Load (SWL) and radius charts shall be available for all lifting equipment and shall be marked on the equipment. The Service Provider shall ensure pre-inspection of lifting tools tackles including wire rope slings, clamps, shackles, hooks etc. before taking up the job. The Company reserves the right to require the Service Provider to inspect any lifting gear that does not meet the requirements stated above. All equipment shall be stored and operated in accordance with the manufacturer's specification and guidelines.

The Service Provider shall maintain up to date copies of all tests and maintenance certificates relating to cranes, lifting beams pulley blocks and lifting gear, and shall make them available to the Company upon demand.

All tools & tackles required for the execution of the job shall be arranged by the Service Provider. Also a periodic audit would be undertaken to assess the condition of such tools and tackles.

While using their equipment and carrying out any job, if any equipment / installation belonging to the Company or any other agency at site is damaged by

the Service Provider, it shall be made good at the risk and cost of the Service Provider.

Detailed risk assessments shall be conducted for all equipment to identify all foreseeable hazards and determine the most appropriate controls to mitigate the risks associated in using in accordance with HSE laws and regulations.

Vehicles operating within the Company premises shall observe all parking and speed restrictions, road signs and traffic rules as per the company policy

27.11 MATERIAL SAFETY DATA SHEETS

The Service Provider shall maintain, at the job site, Material Safety Data Sheets for all hazardous materials and products taken onto the job site. Products shall be stored in appropriate containers, clearly labelled prior to sending to the site, all hazard substances shall be risk assessed to determine their safety requirements and suitability for use.

27.12 WORK PERMITS

The Service Provider shall follow the site Permit to Work (PTW) system for carrying out hazardous activities that includes the following (but not limited to) activities. The Service Provider shall not perform any of such activities without obtaining and displaying the applicable work permit at the project site.

- a. Hot work
- b. Confined space entry
- c. Working at height
- d. Breaking into piping
- e. Lockout / Tagout / isolation etc.
- f. excavation or drilling into the ground or a concrete building slab using powered equipment
- g. Hazardous substance handling, etc.
- h. Excavation / trenching
- i. Chemical management MSDS's
- j. Any government related permit

27.13 HEALTH AND FITNESS

Each contract employee shall undergo a pre-employment medical check and periodical medical examination (PME) as per the company guidelines by a Company approved doctor/ medical personnel and cleared for the type of work he/ she will undertake, prior to the commencement of work.

The Service Provider shall ensure that all its personnel are able to perform the essential functions of their respective assignments and shall certify the same to the Company if so requested by the Company or if required by law. The Service Provider's medical assessment process shall equal or exceed the requirements of the Company's medical assessment procedure.

The Service Provider shall ensure health assessment, monitoring and management of contract personnels' exposure to noise, dust and other physical hazards that have the potential to be harmful to health.

27.14 DISEASE

The Service Provider shall make appropriate arrangements for medical assessment of its personnel who exhibit any symptoms of any severe infectious disease that is communicable by air or surface contact, and ensure that such personnel are removed from the site until they have received medical clearance and can provide proof of such clearance.

27.15 HYGIENE AND HOUSEKEEPING

The Service Provider shall ensure that its personnel maintain high standards of hygiene and housekeeping on the site. The Service Provider shall conduct routine hygiene and housekeeping inspections on the site to ensure that standards are maintained.

The Service Provider shall collect and segregate scraps generated by their activities or services by creating separate bins and finally deposit or utilize as per the directions of the Company.

27.16 ENVIRONMENT PROTECTION

The Service Provider shall ensure proper collection and storage of used oil and waste oil generated at site. The used oil and waste oil collected so shall be disposed of in compliance with law. Any oil/grease soaked cotton waste shall be collected from the site of work and suitably disposed as per the guidelines.

The Service Provider shall use appropriate personnel protective equipments and follow requisite procedure for handling, transportation and storage of hazardous wastes inside the plant including disposal sites owned by the Company.

The Service Provider shall be solely responsible for damage caused to the surrounding/ environment during transit.

The Service Provider shall ensure optimum use of water, energy and other resources while providing services and also work for loss prevention in the form of leakages, spills, overflows, wastages etc. the Service Provider shall be solely responsible for the legal actions that may be initiated consequent to environmental hazards as aforesaid. The Service Provider shall ensure that spillages, leakages and overflows etc. are attended immediately on notice or on intimation.

27.17 SMOKING

The Service Provider's personnel shall not smoke at the work site except within designated smoking areas.

27.18 SERVICE PROVIDER ACCOMODATION

Where the Service Provider's personnel provides accommodation for contract workers, the accommodation shall be appropriate for its location and be clean, safe and, at a minimum, meet the basic needs of workers. In particular, the provision of accommodation shall meet national legislations and shall have the minimum following: Provision of sanitary, laundry and cooking facilities and potable water. Safe location w.r.t health, hygiene and fire risks.

Provision of first aid, medical facilities and proper ventilation.

Building material shall be suitably inflammable, have smoke and fire alarms fitted and

Include other safety checks to prevent fire.

27.19 CLEARANCE OF SITE

On a continuous basis consistent with Good Industry Practice during the progress of the Works the Service Provider shall clear away and remove from the site, pursuant to the directions of the Company, all scrap, debris, other waste materials. The Service Provider shall leave on the site, for the Company, such temporary works as instructed by the Company, free of charge. The Service Provider shall at all times and particularly after completion of the Works, keep the Site and the Facility in a clean, safe and workman-like condition and shall dispose of all rubbish (other than hazardous materials or other materials which may contaminate ground-water, for which other arrangements shall be made by the Service Provider) in accordance with Good Industry Practice.

27.20 REMOVAL OF UNSAFE WORKERS

The Service Provider shall document any identified instances of non-compliance with safety

requirements by its workers and sub - Service Providers. Where any worker or sub Service Provider breaches safety requirements and thereby presents a threat of serious injury or death to any person, the Service Provider shall remove that worker or sub-service provider from the project site for the duration of the project.

27.21 SUBCONTRACTING

The Service Provider shall be able to demonstrate that it has applied selection procedures that ensure that its sub-service providers are demonstrably competent to perform the works safely. The Service Provider shall provide to the Location Manager the names of sub-service providers it intends to appoint in advance of entering into a contract with any such sub-service provider. The requirements of this booklet, the contract specification, the contract health and safety plan, the risk assessments and method statements shall be imposed upon the sub-service providers by the Service Provider.

27.22 MONITORING

Compliance check by Service Provider: The Service Provider shall monitor its safety performance and that of its sub-service providers to ensure compliance with standards set in the Agreement. The frequency of monitoring will be dependent upon the risk profile and number of persons employed.

Root Cause of incidents: All accidents shall be investigated to establish the basic causes and to recommend appropriate improvements in control. Details of all accidents, together with the associated investigation and recommendations, shall be passed to the Company as soon as deemed reasonable.

Audit by Company: The Company reserves the right to audit all aspects of the management of health and safety on site at any time. Deficiency identified during any inspection / audit shall be entered into an appropriate action register that summarize the deficiency, the required actions, the person to whom that action have been assigned and date by which the action shall be completed.

The Service Provider shall be responsible to ensure all actions are completed, verified and closed within stipulated timeframes.

Monitoring by Company: The Company reserves the right to allocate weight age and set safety KPIs in the Service Provider's scorecard. The scorecard performance shall be reviewed periodically.

27.23 SERVICE PROVIDER QUERIES

The queries shall be normally directed to the Company's designate as specified in the Agreement.

The site specific "Service Provider safety management manual" can also be referred for any clarifications when in doubt. The details on specific processes, plants and machineries and related hazards are detailed in this manual.

28. ENERGY MANAGEMENT SYSTEM

Energy Management System Clause (for energy efficient products only such as motor, AC, Pumps, transformers etc.) As a part of Energy Management System (ISO 50001:2011), we wish to inform you that we intend to procure energy efficient products, equipment and services and you are requested to offer us energy efficient products, equipment & services which will have overall cost effectiveness. Your offer shall be evaluated partly on the basis of energy performance of your product, equipment or services throughout the entire life cycle of product. Hence, your offer should also include all the technical details related to energy use, consumption and efficiency and request you to inform us about the energy efficient products & specifications.