

Bill of quantity for 24 month duration		Annexure-A1 of TCC	
BOQ for "Material Handling and Management services" for 24 month duration for the project 3x150MW BTG PACKAGE at Aditya Aluminium, Hindalco Industries Ltd, Lapanga,Sambalpur Odisha.			
SI No	Description	UOM	BOQ for 24 Month period duration
PART-A	Material Handling & Management Services (As per TCC)		
A	Material Handling and Material Management for Materials received at Project Site.		
1	Unloading, Shifting to Open/Covered Stores.	MT	15000
2	Stacking and Verification & Updation of Receipt details in store Material Registers/Computerised MM Package system.	MT	15000
3	Updation of Verification details in Material stock registers, Submission of reports as per specified formats for shortage/open delivery, lodging of police reports if required, documents for insurance claims Etc, and preparation of material receipt certificates in prescribed formats where ever applicable.	MT	15000
4	Identification of material in ready to lift position for issue to BHEL/ Erection agency, and updation of issue details in stores Records.	MT	15000
5	Completion of contractual obligations as per TCC, clause SL. No. 18.2 .	MT	15000
6	Material reshifting, Restacking & Dispatch of Plant Material within project premises.	MT	300
7	Despatch/outgoing materials	MT	50
8	Receipt, unloading, verifying, shifting, stacking, preservation, handling and re-handling and handing over to respective agencies of consignment (as listed in clause no. of TCC) requiring lifting by crane of capacity more than 40 MTs all complete as per instruction and direction of BHEL Engineer-in-charge	MT	800
PART-B	Crane service (As per TCC)		
1	Pick and Carry Crane 40MT or more. Note-Hydra not allowed.	Months	18
3	Pick & carry type tyre mounted mobile crane (Farana)- 23 MT or more. Note-Hydra not allowed.	Months	24
4	Forklift 5T capacity with 3M lift.	Months	24
5	Tractor with trolley unit integrated with a hydraulically operated trolley/trailer, designed for material handling. minimum capacity 10 MT	Months	20
6	20 MT trailer to be deployed on day/days basis as per instruction of BHEL Engineer.	Days	96
PART-C	Manpower Services (As per TCC)		
1	Secretarial Services (Skilled)	Man months	124
2	Menial Services (Unskilled)	Man months	124
3	Menial Services (Unskilled) - for Grass cutting/housekeeping/upkeep of storage yards etc.	Man months	72

SI No	Description	UOM	BOQ for 24 Month period duration
4	Watch and ward /Security Guards .	Man months	240
PART-D	Miscellenious works & Services (As per TCC)		
1	Supply, installation, testing, commissioning, O&M, dismantling after contract completion and removal from site of "415V 63A Feeder Pillar, 415V 125A Feeder Pillar and 415V 250A Feeder Pillar" on monthly hire basis as per technical specifications and approved drawings (Including all cabling, connections with customer compact sub-station, civil & structural Works).	Month	24
2	Supply ,Installation ,Commissioning ,Operation and maintenance,dismantling after contract completion and removal from site of 14 Nos of High resolution night vision CCTV cameras along with accessories along with JB's Security Box, full HD 43 inch Display, Mobile 5G accesspoint for online view,all mountings and associated cables as per approved layout and design by BHEL Engineer Incharge. Complete scope as per TCC.	Months	24
3	Supply and installation of Tarpaulin Sheet Waterproof with Eyelets (300 GSM) - Virgin Material, UV Resistant, Durable Tirpal for Construction use, Roof & Outdoor Use (of different assorted size like-30ftX20ft, 18ft x 100ft or 30ftx40ft or as directed by site incharge, color- Black/yellow/Red/green)	Square feet	150000
4	Supply and installation of Polypropylene Rope (5 mm to 8 mm diameter) Durable, Strong & Weather Resistant for Outdoor & Indoor Use, shall be provided, as required, for fixing and securing tarpaulin covers over the stored items at site.	Meter	1500
5	Supply and installation New (unused) WOODEN SLEEPERS (pine wood, hardwood or similar) Assorted sizes-(3' ft x 6'' x 6'' or as desired at site) during storing of the equipment/items at site. NOTE-The wooden sleepers should be durable and able to withstand the material handling equipment load.	Cubic feet	300
PART-E	Safety compliance (as per TCC)	Month	24